

<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5 HUNTERS POINT SHIPYARD</p> <p>6 RESTORATION ADVISORY BOARD</p> <p>7</p> <p>8</p> <p>9</p> <p>10 REPORTER'S TRANSCRIPT OF MEETING</p> <p>11</p> <p>12 August 26, 2004</p> <p>13</p> <p>14 Hunters Point Shipyard, Building 101</p> <p>15 Donahue Street at Hudson Avenue</p> <p>16 San Francisco, California</p> <p>17</p> <p>18</p> <p>19 Reported by Christine M. Niccoli, RPR, C.S.R. No. 4569</p> <p>20 -----</p> <p>21 NICCOLI REPORTING</p> <p>22 619 Pilgrim Drive</p> <p>23 Foster City, CA 94404-1707</p> <p>24 (650) 573-9339</p> <p>25 CERTIFIED SHORTHAND REPORTERS SERVING THE BAY AREA</p> <p>Page 1</p>	<p>1 RAB MEMBERS &amp; REGULATORS [Cont.]:</p> <p>2</p> <p>3 LISA LAULU - All Islanders Gathering As One (A.I.G.A. 1)</p> <p>4 LEA LOIZOS - Arc Ecology</p> <p>5 KEVYN D. LUTTON - Resident</p> <p>6 J. R. MANUEL - JRM Associates, India Basin resident</p> <p>7 JESSE MASON - Community First Coalition (CFC)</p> <p>8 JAMES MORRISON - Environmental Technology, Residents of</p> <p>9 the Southeast Sector (R.O.S.E.S.)</p> <p>10 GEORGIA OLIVA - Communities for a Better Environment</p> <p>11 (CBE), CCA member</p> <p>12 KAREN G. PIERCE - Bayview Advocates, Bayview-Hunters</p> <p>13 Point Democratic Club, Bayview-Hunters Point Health &amp;</p> <p>14 Environmental Assessment Program (HEAP)</p> <p>15 MELITA RINES - India Basin Neighborhood Association</p> <p>16 SEALI'IMALIETO A SAM RIPLEY - Samoan American Media</p> <p>17 Services</p> <p>18 AHIMSA PORTER SUMCHAI - Bayview-Hunters Point Health &amp;</p> <p>19 Environmental Resource Center (HERC)</p> <p>20 KEITH TISDELL - Hunters Point resident</p> <p>21 RAYMOND TOMPKINS - Bayview-Hunters Point Coalition on</p> <p>22 the Environment</p> <p>23 MICHAEL WORK - U.S. Environmental Protection Agency (EPA)</p> <p>24 LEHUANANIKEALAKAUILANIALOHILANILEILANI WRIGHT - JRM</p> <p>25 Associates</p> <p>Page 3</p>
<p>1 PARTICIPANTS</p> <p>2</p> <p>3 FACILITATOR:</p> <p>4 ROBERT SURBER - Pendergrass &amp; Associates</p> <p>5 CO-CHAIRS:</p> <p>6 KEITH FORMAN - United States Navy SWDIV</p> <p>7 MAURICE CAMPBELL - Business Development, Inc.</p> <p>8 (BDI); Citizens Advisory Committee;</p> <p>9 Community First Coalition (CFC); New</p> <p>10 California Media; NEW BAYVIEW NEWSPAPER</p> <p>11</p> <p>12 RAB MEMBERS &amp; REGULATORS</p> <p>13</p> <p>14 BARBARA BUSHNELL - Residents of the Southeast Sector</p> <p>15 (R.O.S.E.S.), Silverview Terrace Homeowners</p> <p>16 Association, resident</p> <p>17 CHARLES L. DACUS, SR. - Hunters Point resident,</p> <p>18 Residents of the Southeast Sector (R.O.S.E.S.)</p> <p>19 MARIE J. FRANKLIN - Shoreview Environmental Justice</p> <p>20 Movement Inc.</p> <p>21 MITSUYO HASEGAWA - JRM Associates</p> <p>22 JACQUELINE ANN LANE - U.S. Environmental Protection</p> <p>23 Agency (EPA)</p> <p>24 TOM LANPHAR - California Department of Toxic Substances</p> <p>25 Control (DTSC)</p> <p>Page 2</p>	<p>1 AUDIENCE</p> <p>2</p> <p>3 JOHN ADAMS - SulTech</p> <p>4 PATRICIA BROWN - Shipyard artist</p> <p>5 PHIL BURKE - Lennar</p> <p>6 PAUL CARP - Congresswoman Nancy Pelosi District Office</p> <p>7 GEORGE CICOTTE - AFIOH</p> <p>8 DARYL DeLONG - New World Environmental Inc.</p> <p>9 STEPHEN DICKSON - Young Community Developers (YCD)</p> <p>10 BENJAMIN FEICK - Waste Solutions Group (WSG)</p> <p>11 BARBARA GEORGE - Women's Energy Matters</p> <p>12 JENNIFER GIBSON - SulTech</p> <p>13 CHUCK HOLMAN - Foster Wheeler</p> <p>14 CAROLYN HUNTER - SulTech</p> <p>15 LAURA L. LOWMAN - United States Navy Radiological Affairs</p> <p>16 Support Office (RASO)</p> <p>17 LESLIE LUNDGREN - SulTech</p> <p>18 SHERLINA NAGEER - Literacy for Environmental Justice</p> <p>19 (LEJ)</p> <p>20 JEANETTE OSBORNE</p> <p>21 RALPH PEARCE - United States Navy</p> <p>22 DENNIS M. ROBINSON - Shaw Environmental &amp;</p> <p>23 Infrastructure, Inc.</p> <p>24 LEE H. SAUNDERS - United States Navy</p> <p>25 MATTHEW SLACK - United States Navy Radiological Affairs</p> <p>26 Support Office (RASO)</p> <p>27 ///</p> <p>Page 4</p>

1 AUDIENCE [Cont.]:  
2  
3 CLIFTON J. SMITH - C.J. Smith & Associates, Eagle  
4 Environmental Construction, EMU  
5 PETER STROGANOFF - United States Navy ROICC Office  
6 JULIA VETROMILE - SulTech

7  
8 ---oOo---

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1 although the other one wasn't great. But you can't see  
2 each other and people behind each other.  
3 So I'm going to ask you to wait for the  
4 microphone and to -- so we can make sure that everybody  
5 hears everyone. Thank you.  
6 MR. FORMAN: Hopefully, this will be a one-time  
7 meeting venue, and we will be back in Dago Mary's next  
8 month. As you probably know, there's quite a bit of  
9 renovation going on there and some other -- some other  
10 upgrades to the building. And there's been a change of  
11 ownership too at Dago Mary's. So --  
12 MR. SURBER: And you are?  
13 MR. FORMAN: And I am Keith Forman, the Navy  
14 BRAC Environmental Coordinator.  
15 MR. SURBER: Thank you.  
16 MR. CAMPBELL: I'm Maurice Campbell, Community  
17 First Coalition.  
18 MS. OLIVA: Georgia Oliva, Shipyard artist.  
19 MS. HASEGAWA: Mitsuyo Hasegawa, RAB member.  
20 MR. TISDELL: Can't hear you.  
21 MS. WRIGHT:  
22 Lehuananikealakauilanihilanileilani --  
23 MR. TISDELL: Who?  
24 MS. WRIGHT: Shut up -- RAB member.  
25 MR. WORK: Michael Work, U.S. EPA.

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1 SAN FRANCISCO, CALIFORNIA, THURSDAY, AUGUST 26, 2004  
2 6:12 P.M.  
3 ---oOo---  
4 MR. SURBER: Good evening and welcome. As I  
5 said a moment ago, my name is Robert Surber. I am  
6 filling in for Marsha Pendergrass this evening. Marsha  
7 is working in Boston this week. She gives her apologies  
8 for not being able to be here this evening and asked me  
9 to fill in for her.  
10 Let me say to begin with that I'm -- I did  
11 attend the last meeting just to see what these meetings  
12 look like. But it's clear to me I'm not as clear on the  
13 procedures as you are. I also won't know your names as  
14 well as Marsha does. She said just read the name tags,  
15 but looks like I'm going to have to think about Plan B.  
16 So I'll point and say "Hey, you," and those  
17 sort of things but ask for your forbearance with that.  
18 So I guess we're going to call this meeting to  
19 order at this moment, and Marsha said just follow the  
20 agenda.  
21 So we begin with introductions and then review  
22 of the agenda. I've introduced myself, so why don't we  
23 begin?  
24 Also, let me say, I think this room is much  
25 more difficult to hear each other in than the other one,

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1 MR. STROGANOFF: Peter Stroganoff from the Navy  
2 ROICC Office.  
3 MR. DACUS: Charles L. Dacus, Sr., ROSES and  
4 RAB.  
5 MS. BUSHNELL: Barbara Bushnell, ROSES, RAB,  
6 and Silverview Terrace Homeowners Association.  
7 MS. LOIZOS: Lea Loizos, RAB member  
8 representing Arc Ecology.  
9 MS. PIERCE: Karen Pierce, Bayview-Hunters  
10 Point Democratic Club, RAB member.  
11 MR. MORRISON: James Morrison, resident.  
12 MR. TOMPKINS: Raymond Tompkins,  
13 Bayview-Hunters Point Coalition on the Environment.  
14 MS. LANE: Jackie Lane, community involvement,  
15 EPA.  
16 MS. BROWN: Patricia Brown, Shipyard artist.  
17 MR. RIPLEY: Seali'imalietao Sam Ripley, Samoan  
18 community liaison, Aigatasi.  
19 MS. GEORGE: Barbara George, Women's Energy  
20 Matters.  
21 MR. SMITH: Clifton Smith, EMU, technical  
22 adviser, CFC.  
23 MS. NAGEER: Sherlina Nageer, LEJ.  
24 MR. TISDELL: Keith Tisdell, RAB member.  
25 MR. BURKE: Phil Burke, Lennar.

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1 MR. FEICK: Ben Feick, Waste Solutions Group.  
2 MR. PEARCE: Ralph Pearce, Navy RPM.  
3 MR. DeLONG: Daryl DeLong, New World  
4 Technology.  
5 MR. HOLMAN: Chuck Holman, Foster Wheeler.  
6 MR. MASON: Jesse Mason, resident.  
7 MS. LUTTON: Kevyn Lutton, resident.  
8 MR. ROBINSON: Dennis Robinson, Shaw  
9 Environmental.  
10 MS. LUNDGREN: Leslie Lundgren, Tetra Tech.  
11 MS. LOWMAN: Laurie Lowman, Navy Radiological  
12 Affairs Support Office.  
13 MR. SLACK: Matthew Slack, Navy Radiological  
14 Affairs Support Office.  
15 MR. SAUNDERS: Lee Saunders, U.S. Navy.  
16 MS. VETROMILE: Julia Vetromile, Tetra Tech.  
17 MS. HUNTER: Carolyn Hunter, Tetra Tech.  
18 MS. GIBSON: Jennifer Gibson with SulTech.  
19 MS. HUNTER: Okay. One more in the back.  
20 DR. SUMCHAI: Ahimsa Sumchai, RAB.  
21 MS. VETROMILE: One more.  
22 MR. FORMAN: Tom Lanphar. Tom Lanphar,  
23 Department of Toxic Substances Control. He's here.  
24 MS. PIERCE: Where are the bathrooms?  
25 MS. WRIGHT: Don't need the microphone either.

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1 MS. PIERCE: Where are the bathrooms?  
2 MS. HUNTER: Bathrooms are down the hall and to  
3 the right.  
4 MR. SURBER: Thank you.  
5 Thank you. The agenda tonight includes -- and  
6 I believe you all have it in front you, but just to  
7 review quickly -- approval of the meeting minutes from  
8 last month with action items, announcements from the  
9 Navy, announcements from the community and other  
10 announcements and then, I understand, a presentation or  
11 an update on the HPS Radiological Program after which  
12 we'll have a break followed by subcommittee reports, and  
13 I understand one of those includes a review and expected  
14 vote on the bylaws, community comment period and an  
15 adjournment at 8 o'clock.  
16 Any additions or corrections to the agenda?  
17 Yes.  
18 MS. BUSHNELL: Barbara Bushnell. It was my  
19 understanding that the subcommittee meeting minutes --  
20 the subcommittee reports would be in the first part of  
21 the meeting. Am I wrong in that assumption? 'Cause  
22 they had information that might help us in the latter  
23 part of it or -- I thought that was announced last  
24 month. It's just a question.  
25 MR. SURBER: All I know is what's in front of

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1 me. So I ask that you defer to the chairs.  
2 MR. FORMAN: Yeah. Barbara, there's no  
3 set-in-concrete agenda to the meeting. Maurice and I  
4 had discussed with Marsha Pendergrass, and actually, one  
5 of her recommendations was to move around the order of  
6 the subcommittee reports versus the presentations.  
7 So I think for the last two we have had the  
8 subcommittee reports in the end. Did you have a  
9 recommendation to make? Or --  
10 MS. BUSHNELL: It's my understanding that that  
11 would be the set program, that the sub- --  
12 MR. FORMAN: Okay.  
13 MS. BUSHNELL: -- committee reports would be  
14 at the initial part.  
15 MR. FORMAN: Yeah. No. We have been pretty  
16 flexible with that, and lately we have been just trying  
17 it the other way around.  
18 MS. BUSHNELL: Okay, thank you.  
19 MR. FORMAN: Sure.  
20 MR. SURBER: Okay. Thank you.  
21 Approval of the meeting minutes from last  
22 month. Any comments or questions, suggestions about the  
23 minutes?  
24 Yes.  
25 MS. OLIVA: I have a comment. I'm Georgia

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1 Oliva, and I asked Pat Brooks about getting the -- an  
2 analysis, and he said in the minutes "Mr. Brooks  
3 responded that he expected it to be completed the  
4 following Tuesday, and that he would provide copies of  
5 the report to any interested RAB member." And he said  
6 he was going to send me a copy, E-mail it. Never did.  
7 So I would like to . . .  
8 MR. SURBER: Does that change the minutes, or  
9 what happens subsequent?  
10 MS. OLIVA: That's a comment.  
11 MR. SURBER: Okay.  
12 MS. OLIVA: Comment.  
13 MR. SURBER: Okay. Thank you.  
14 MR. FORMAN: Yeah. On the break, could you  
15 tell me what report that is specifically?  
16 MS. OLIVA: "... instruments were used to  
17 evaluate the building materials." There's no folio on  
18 this.  
19 MR. FORMAN: I'm sorry. Which?  
20 MS. OLIVA: It's Building 322.  
21 MR. FORMAN: Okay. "Mr. Brooks stated that  
22 before he addressed the Parcel A FOST and Building 322,  
23 he wanted to discuss . . ." Okay.  
24 So I will check and I'll read. I won't keep  
25 you waiting. I'll read that and then -- oh. "Ms. Oliva

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1 asked which instruments were used to evaluate the  
2 building materials." That paragraph?  
3 MS. OLIVA: Right.  
4 MR. FORMAN: Okay. I'll take that for action.  
5 One advantage we do have here tonight is we  
6 have Laurie Lowman here who's going to give a  
7 presentation.  
8 MS. OLIVA: But she wasn't here tearing down  
9 the Building 322.  
10 MR. FORMAN: Right, right.  
11 MS. OLIVA: So Pat knew more about it. So he  
12 was going to get me the information.  
13 MR. FORMAN: Okay. I'll follow up on that.  
14 MS. OLIVA: Thank you.  
15 MR. SURBER: Comment in the back?  
16 MR. MASON: Yeah. One of my largest concerns  
17 is that -- the Economic Committee, and I'm seeing here  
18 that there was no report last time, and I was wondering  
19 what was going on, what had happened at the last  
20 economic meeting on July -- what was it? -- August 10th.  
21 Is there any information?  
22 MS. HUNTER: Actually, I had the meeting  
23 minutes and I left them. And so I can attach the  
24 Economic Subcommittee meeting minutes and mail those to  
25 the RAB so that you guys all have them.

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1 MS. VETROMILE: They were sent out.  
2 MR. SURBER: Are there any other comments about  
3 or questions about the minutes?  
4 Yes, over here.  
5 MS. LOIZOS: Lea Loizos. This is just a  
6 clarification. But on page 3 of 12 in the subcommittee  
7 report that I gave last month, line 37: "Ms. Loizos was  
8 considering having the Navy give a technical  
9 presentation during future meetings of the Technical  
10 Review Subcommittee."  
11 What I said -- and it might not have been  
12 understandable -- was that we're considering having the  
13 Navy give a preview of the upcoming RAB meetings,  
14 technical presentation, which, you know, I just wanted  
15 that to be clarified in the minutes during future  
16 meetings. Does that make sense? Okay.  
17 MR. SURBER: Other comments or questions about  
18 the minutes?  
19 We will have a motion to approve the minutes.  
20 MR. TOMPKINS: So moved.  
21 MS. PIERCE: Second.  
22 MR. SURBER: All in favor?  
23 THE BOARD: Aye.  
24 MR. SURBER: Any opposed?  
25 The minutes are passed as commented and --

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1 MS. WRIGHT: Abstention, abstention.  
2 MR. SURBER: Yes?  
3 MS. WRIGHT: Abstention.  
4 MR. SURBER: Oh, okay. One abstention.  
5 Okay. On the action items related to the  
6 minutes, the first was: The Navy was to notify David  
7 Terzian of the Navy Caretaker Site Office prior to  
8 removal of Astoria Metals Company, and Mr. Forman was  
9 going to take care of that.  
10 MR. FORMAN: And that's going to be a running  
11 action item. I think it's noted. It's a running action  
12 until that activity occurs and still don't have that  
13 yet.  
14 MR. SURBER: I see. So that hasn't occurred,  
15 and we'll carry it over to the next meeting.  
16 MR. FORMAN: Carry over, and I'm still on the  
17 hook --  
18 MR. SURBER: Okay.  
19 MR. FORMAN: -- to notify them.  
20 MR. SURBER: So you're pursuing that. Good.  
21 Thank you.  
22 RAB members with information on potential  
23 storage bunkers were to provide this information to the  
24 Navy.  
25 Does anybody know whether that's occurred?

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1 MR. CAMPBELL: I was supposed to make a  
2 videotape available. I found the second part of the  
3 videotape. I haven't found the first part; but as soon  
4 as I put my hands on that, I will make it available.  
5 MS. ATTENDEE: Excuse me?  
6 MR. MASON: Can't hear you.  
7 MR. CAMPBELL: I said, basically, I have two  
8 videotapes by a former worker, and I found Part Two. I  
9 have not put my hands on Part One. But as soon as I am  
10 able to, I will make it available to the Navy.  
11 MR. SURBER: Jesse Mason?  
12 MR. MASON: Yeah. I like to say something.  
13 You know, there was a time that -- I think her  
14 name was Theresa Coleman. She had talked about an area  
15 up on top of the hill that there was a long drop through  
16 the mountain, through the hill there, you know, to an  
17 area.  
18 I'd like to talk to her and get her to show me  
19 where that is, because what that is, is: It was in an  
20 area where they thought a lot of kids would fall into  
21 that hole.  
22 So I'd like to contact her and have her show me  
23 where that area of the -- of that hill is and let the  
24 Navy know about it.  
25 MR. FORMAN: If you could coordinate with

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<p>1 Maurice, and then Maurice and I will get together and --  2 yeah, if you can pursue that.  3 Do you know how many years ago she was talking  4 about her recollection?  5 MR. MASON: It wasn't that long ago. It wasn't  6 that long ago. I know that she was doing Ujamaa up  7 there. There was an organization that she was involved  8 with. That's when she found out about that drop, that  9 hole in the ground there.  10 MR. CAMPBELL: What I'd like to say about that  11 is, there's something I think Ray Tompkins and myself  12 went out and investigated --  13 MR. MASON: I can't hear you.  14 MR. CAMPBELL: Ray Tompkins and I, myself, went  15 out and investigated sometime back, and we have  16 photographs of it. It looks like sort of a sewage  17 draining type thing, but it's about 3 foot above the  18 ground. It's about 3 1/2 foot wide, and it's filled  19 with rocks. If it was a drain, it would be level with  20 the ground so water could run off.  21 So it must have been some sort of ventilation  22 shaft, and we can show you where that is.  23 MR. FORMAN: Okay.  24 MR. SURBER: Have any other RAB members  25 provided information to the Navy about potential bunker</p> <p style="text-align: right;">Page 17</p>	<p>1 on the day. If there is a day during the week that  2 you're available, morning or evening. So --  3 MR. SURBER: Gentleman in the back?  4 MS. LOIZOS: We're counting.  5 One --  6 MR. SURBER: Oh.  7 MS. LOIZOS: -- two --  8 MR. SURBER: I'm sorry. You put your hands up.  9 Excuse me. Forgive me.  10 MS. LOIZOS: One, two, three, four, five,  11 okay, six, seven. Okay.  12 How many peo- -- how many people who would want  13 to come are not able to come? Please raise your hand.  14 (Pause.)  15 MR. RAB MEMBER: Three.  16 MS. LOIZOS: Okay. Well, I don't know what to  17 do here.  18 Keith, any thoughts on, I mean, how to  19 resolve --?  20 MR. FORMAN: Well, why don't we start off with  21 the first field trip and then see how that goes and if  22 that encompasses eight or nine people? We don't want  23 too large of a size of a crowd anyway because we want to  24 show people things close up, and so it's better with  25 small groups anyway.</p> <p style="text-align: right;">Page 19</p>
<p>1 sites?  2 (No verbal response elicited.)  3 MR. SURBER: Not noted if so.  4 The Navy was to arrange a field trip for RAB to  5 review [sic] the site where zero-valent iron will be  6 used. Mr. Brooks was going to follow up on that.  7 And the comment, does this mean it's resolved,  8 the field work will begin by mid August?  9 MR. FORMAN: No. There's an update on that.  10 Ryan Ahlersmeyer is the project -- oh, go ahead.  11 MS. LOIZOS: Well, if you have the  12 update . . . I was just going to say that I was  13 coordinating with Ryan to set that up. And I spoke with  14 him yesterday, and he suggested the week of September  15 13th. And I -- I requested -- I asked him if it was  16 possible to do it on a Saturday because I know that a  17 weekday is probably not ideal for most people. But the  18 contractors don't work on Saturdays, he said.  19 So if -- I don't know how we can figure this  20 out. But -- well, if I could see a show of hands from  21 the RAB members or anybody who is interested of who  22 would be able to come on a weekday, whether it be  23 morning or afternoon. He said it didn't matter.  24 MR. SURBER: Comment in the back?  25 MS. LOIZOS: What -- I mean, even if it depends</p> <p style="text-align: right;">Page 18</p>	<p>1 So let's do the first one with eight to nine  2 people, and then we'll try to get in a second field  3 trip.  4 MS. LOIZOS: Okay.  5 Carolyn, could we maybe pass something around  6 so that you get everyone's name and their -- the best  7 way to contact them --  8 MS. HUNTER: Yes, you got it.  9 MS. LOIZOS: -- rather than take the time up  10 right now?  11 MR. FORMAN: You say week of September 13th?  12 MS. LOIZOS: Yeah. Oh, and maybe if you could  13 write down on the sign-up sheet which day of the week is  14 best for you in a.m. or p.m., please. Thanks.  15 MR. FORMAN: Good. And then we're talking  16 about a field trip that would take no more than one hour  17 of your time.  18 MR. SURBER: Okay. So that action item will  19 carry over until the field trips are completed, I  20 presume?  21 MR. FORMAN: Yes. Yeah, keep that as an action  22 item for --  23 MR. SURBER: Okay. Thank you.  24 New items of the last meeting: "EPA to provide  25 information on measured levels of local background</p> <p style="text-align: right;">Page 20</p>

1 radiation." Michael Work with EPA was going to do that.  
 2 Yes?  
 3 MR. WORK: Yeah. I apologize to the RAB. My  
 4 main technical support person, Steve Dean, has been out  
 5 of the office almost continuously since last month, and  
 6 he's our radiation expert.

7 All I've been able to find so far is just  
 8 general information on background radiation, nothing  
 9 specific to San Francisco, the Bay Area. But I think  
 10 once I'm able to work with Steve, I'll be able to come  
 11 up with something.

12 MR. SURBER: Okay. So this item will carry  
 13 over to next month?

14 MR. WORK: Yeah.

15 MR. SURBER: Okay. Thank you.

16 "Navy to check on the return of the map index  
 17 to Building 101." Well, here we are. But Mr. Brooks  
 18 is -- Navy will return the map when finished with the  
 19 evaluation.

20 Is that still the plan?

21 MR. FORMAN: Yeah, I believe it was returned.

22 MR. SURBER: So the map has been returned, so  
 23 this one is resolved?

24 MR. FORMAN: Yeah.

25 MR. SURBER: Okay. "SulTech to mail copies of

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1 proposed membership by-laws to RAB members," and that's  
 2 been done, correct? Okay.

3 "Navy to provide interested RAB members with a  
 4 copy of the Draft Final FOST Revision 3," and  
 5 Mr. Brooks. And it says copies provided to several  
 6 members.

7 Is that sufficient for that item?

8 (No verbal response elicited.)

9 MR. SURBER: Then that's resolved.

10 Yes, sir.

11 MR. TISDELL: I haven't received nothing yet,  
 12 you know, as far as --

13 MR. SURBER: Well, this says copies to be  
 14 provided to Ahimsa Sumchai, Maurice Campbell, and Lea  
 15 Loizos. So I don't know whether you are -- Are you  
 16 requesting a copy?

17 MR. TISDELL: Yes. I would like to have one.

18 MR. SURBER: And your name, please?

19 MR. TISDELL: Keith Tisdell.

20 MR. SURBER: Can we see that Mr. Tisdell gets a  
 21 copy?

22 MR. ATTENDEE: Sure.

23 MR. TISDELL: Thank you.

24 MR. SURBER: Okay. Thank you.

25 Navy to assess feasibility of providing Anna

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1 E. Waden Branch Library with HPS documents on compact  
 2 disk and determine the feasibility, and it says the Navy  
 3 will include some CD versions of older reports as well  
 4 as making hard copies for the current work.

5 So that item is resolved as well, apparently.

6 Okay. Good. Thank you.

7 Navy announcements, Mr. Forman.

8 MR. FORMAN: Yes. I believe --

9 MR. SURBER: Could you wait for the microphone?

10 MR. FORMAN: Sure.

11 Okay. I believe we have covered it. I will  
 12 let the RAB know if we -- if it looks like we are not  
 13 going to be able to meet in Dago Mary's next month. But  
 14 from everything that I know now, we will be able to  
 15 return to that venue.

16 One thing I did want to place in people's mind  
 17 is to start thinking about for the future of the RAB,  
 18 Dago Mary's may not be there forever, or we may not be  
 19 able to use it as a meeting place forever. I don't even  
 20 know yet who the new owners are.

21 But be thinking of a potential future meeting  
 22 place that you think would meet your needs; and if you  
 23 could, either contact Maurice or myself because we're  
 24 both very interested in making sure that there's a good  
 25 venue for future RABs.

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1 MR. SURBER: In the back.

2 MR. MASON: No. It's okay.

3 MR. SURBER: Okay. Scratch that.

4 Okay. Mr. Campbell?

5 MR. CAMPBELL: Yeah. I have three brief  
 6 announcements. I'd like to say thank you to Ahimsa.  
 7 Somebody is probably alive today because of an action  
 8 that --

9 MR. MASON: Can't hear.

10 MR. CAMPBELL: -- because of an action she  
 11 took. That's one.

12 I'd like to encourage more people working with  
 13 the subcommittees because we're coming down to a  
 14 critical time period right now. We need all the  
 15 involvement that we can get.

16 And, well, I'll just leave it there for now.

17 MR. SURBER: Okay. Are there other  
 18 announcements?

19 (No verbal response elicited.)

20 MR. SURBER: Okay. I understand, then, we'll  
 21 have a presentation on the -- or update on the HPS  
 22 radiological program with Laurie Lowman.

23 MR. FORMAN: Need to dim the lights.

24 MS. LOWMAN: Thank you.

25 MR. FORMAN: Well, let's see once it's on.

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<p>1 MS. GIBSON: Is that too dark?</p> <p>2 MR. FORMAN: That's not very bright.</p> <p>3 MR. SURBER: Turn the back lights on?</p> <p>4 Can people in the back read . . . ?</p> <p>5 MS. GIBSON: Is that okay?</p> <p>6 MS. LOWMAN: Ready?</p> <p>7 MR. SURBER: Okay. Can everybody see this?</p> <p>8 MR. TOMPKINS: Could you raise it up? Need to</p> <p>9 put a book or something under the projector.</p> <p>10 MR. SURBER: Should have a thing . . .</p> <p>11 MS. VETROMILE: Oh, you want the projector</p> <p>12 raised up. You need to raise the screen higher.</p> <p>13 MR. FORMAN: I think he's saying just -- yeah,</p> <p>14 just raise the -- yeah.</p> <p>15 MS. VETROMILE: Can't raise it very much.</p> <p>16 MR. TOMPKINS: This part is off the screen.</p> <p>17 MR. FORMAN: Does that look better?</p> <p>18 MR. TOMPKINS: Yeah.</p> <p>19 MS. LOWMAN: Does it help?</p> <p>20 MR. TOMPKINS: She can't hold it. Charles got</p> <p>21 it. Pass it on.</p> <p>22 MS. LOWMAN: Are we good?</p> <p>23 MR. TOMPKINS: Good.</p> <p>24 MS. LOWMAN: Can you see? Yeah?</p> <p>25 MR. SLACK: So that's better.</p> <p style="text-align: right;">Page 25</p>	<p>1 We added Building 322 in Parcel A as an</p> <p>2 impacted site. We added the U.S.G.S. aerial photographs</p> <p>3 that Mr. Campbell had provided and let us know about.</p> <p>4 We added building use comparison table. That included</p> <p>5 the information that was on the map that was found here</p> <p>6 in Building 101.</p> <p>7 Because the map is hand-painted on a 5 by 8</p> <p>8 piece of plywood, I can't really get it scanned and get</p> <p>9 it into the document. So we did do -- get the building</p> <p>10 list off of it and did do a comparison with the other</p> <p>11 building lists that we had found.</p> <p>12 Near as we can tell from looking at the other</p> <p>13 lists and the other maps, it's a 1951 map that they</p> <p>14 added other buildings to. There's buildings on there</p> <p>15 that were there in 1951 that are not there later on,</p> <p>16 and -- but it has Building 815, and that wasn't built</p> <p>17 until 1955. So that's our best guess as far as the HRA</p> <p>18 team as far as the date of the map that was here in</p> <p>19 Building 101.</p> <p>20 We also added sediment as a potential</p> <p>21 contamination and potential migration pathway category.</p> <p>22 So that was in response to numerous comments and</p> <p>23 concerns that we hadn't adequately addressed the</p> <p>24 sediment potential contamination problem, and that has</p> <p>25 been added to every site that is considered an impacted</p> <p style="text-align: right;">Page 27</p>
<p>1 MS. LOWMAN: Okay? We're ready to go.</p> <p>2 As you all know, I'm Laurie Lowman. I'm with</p> <p>3 the Navy's Radiological Affairs Support Office, director</p> <p>4 of radiation program support and low-level radioactive</p> <p>5 waste for the Navy here to provide another HRA update.</p> <p>6 The responses to comments on the HRA, we're</p> <p>7 making great progress here. They went out and were</p> <p>8 distributed on 27 July 2004.</p> <p>9 I have only received one comment back on the</p> <p>10 responses. It was from EPA, and we have already taken</p> <p>11 care of that one.</p> <p>12 There was one additional responder that is not</p> <p>13 on this list, and it was Barbara George with Women's --</p> <p>14 MS. GEORGE: Energy Matters.</p> <p>15 MS. LOWMAN: -- Energy Matters.</p> <p>16 Thank you.</p> <p>17 I'm still working on that response. I should</p> <p>18 have gotten back to her sooner, and I just haven't</p> <p>19 gotten that done. But it will be coming out soon.</p> <p>20 Next slide.</p> <p>21 For the final HRA, we made the following</p> <p>22 modifications to the document. We incorporated all the</p> <p>23 responses to comments, including a reassessment of</p> <p>24 Section 8 and the contamination potentials and migration</p> <p>25 potentials.</p> <p style="text-align: right;">Page 26</p>	<p>1 site and listed in Section 8, and it is also listed in</p> <p>2 Section 7 with a definition.</p> <p>3 We were notified of three additional</p> <p>4 interviewees, and we were not able to contact them</p> <p>5 successfully at this time. One was Mrs. Kennedy's</p> <p>6 grandson, I believe it is, correct?</p> <p>7 And there was another one that someone had</p> <p>8 contacted EPA -- I don't have the name with me right</p> <p>9 now. I'm not sure what the name was -- about waste</p> <p>10 being disposed or stored on Parcel A.</p> <p>11 But we have attempted numerous times to contact</p> <p>12 both of these individuals, and we were not able to do</p> <p>13 so. There -- We have left voice mails. We have not</p> <p>14 had return calls so far. But we will keep trying.</p> <p>15 The third one is, oddly enough, someone we</p> <p>16 found through another office worker in Virginia at our</p> <p>17 office who says he was one of the personnel here at</p> <p>18 Hunters Point who actually deconned the Operation</p> <p>19 Crossroads ship.</p> <p>20 So we're very interested in seeing what he has</p> <p>21 to say. However, he is older, retired, of course, and</p> <p>22 he has gone on vacation. So I haven't been able to</p> <p>23 reach him either.</p> <p>24 In addition, the HRA team -- myself, Mr. Haney,</p> <p>25 and Mr. Polyak -- did a word-by-word, line-by-line</p> <p style="text-align: right;">Page 28</p>

1 detailed review of the final document. The final HRA  
2 has been sent for print production, and it will be --  
3 the publication date right now is set for 31 August  
4 2004.

5 Now, I want to make sure that everyone  
6 understands that just because we're issuing a final HRA  
7 does not mean that the historical assessment process is  
8 over. The HRA is a snapshot-in-time document. So we  
9 would continue to take new interviewees. We would  
10 continue to take any new information about the site  
11 if -- Miss George was providing me some additional  
12 archive locations we could possibly look at.

13 We will continue to do additional research. We  
14 would -- We could publish that in specific reports  
15 about each of the sites we find information on, or we  
16 could do addendums to the HRA. But the HRA will stand  
17 as it is as a snapshot-in-time document.

18 MR. MASON: Laurie, could I ask you a question?

19 MS. LOWMAN: Wait till I'm through on that,  
20 okay? Or do you want to ask right this second?

21 MR. MASON: Well, because I'm running into  
22 people that have talked about working on the Shipyard  
23 some time ago, and I'm just wondering if we could still  
24 get those people involved.

25 MS. LOWMAN: Absolutely. You get me their name

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1 and a way to contact them, and I'll be happy to contact  
2 them and see what they have to say.

3 MR. MASON: Okay.

4 MS. LOWMAN: Okay.

5 Building 322, that is the building as it once  
6 was and is no longer on that picture. Y'all have  
7 probably seen that picture several times, yeah, not to  
8 mention the building.

9 The building was surveyed and removed. We  
10 found no contamination. The debris was surveyed after  
11 it -- the building was removed. We -- Again, we found  
12 no contamination. So we released it, and that material  
13 was disposed of off site. It was not disposed of on  
14 Hunters Point Shipyard property.

15 Concrete pad that was under the building was  
16 surveyed and removed. We found no contamination; and  
17 again, those co- -- that concrete was surveyed again as  
18 debris. We found no contamination. So it was released  
19 and disposed of off site.

20 After that time, we performed a final status  
21 survey, which is a MARSSIM, Multi-Agency Radiological  
22 Survey and Site Investigation Manual, process to release  
23 a former radiologically impacted site. We performed  
24 this survey on the building footprint and on the  
25 immediate surrounding area, which incorporated some

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1 concrete and some asphalt areas.

2 This is what the site looks like today. You  
3 can see the concrete asphalt, the empty site. And  
4 pretty much everything's just gone.

5 One of the concerns that was expressed to me  
6 was about the reference area, or the background area,  
7 that we used. I know that Mr. Work is going to have  
8 Mr. Dean from the EPA provide some additional  
9 information on background.

10 What we do when we're looking for a reference,  
11 or background, area is, we need to find a location that  
12 is similar in age and construction to the site that  
13 we're working on; and we need it to be in the same  
14 environment that the site we're working on is. That is  
15 because there is naturally occurring radioactive  
16 material.

17 And in a shipyard environment, there are  
18 different processes that are not man-made contaminants,  
19 but it disturbs certain processes, or, you know, there's  
20 fuel oil burning, or there's something adjacent from the  
21 potassium in the bay, anything that could impact the  
22 background area.

23 We -- When we go to do the background  
24 readings, we take comparison readings with the same  
25 instrumentation that we use for the surveys at the site.

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1 Each instrument that we use, each serial number  
2 instrument, has to have background readings taken with  
3 it too. So it's there for comparison.

4 We do not just take one type of instrument, but  
5 we take each one by serial number and do background  
6 readings as well as the actual survey readings at the  
7 site.

8 We also take comparison samples from the  
9 background area and the investigation area that we're  
10 working on so that we can do those comparisons.

11 Readings and sample results from the background  
12 areas should be consistent with other reference areas.  
13 We make sure that we don't have a hot spot in a  
14 reference area, or it's kicked out. It isn't a  
15 reference area anymore. It becomes an impacted site.  
16 So that is very important.

17 Building 901 was used as the reference area for  
18 the Building 322 final status survey, and that building  
19 was a former HPS Officers' Club. We have no indication  
20 that there is any radiological history associated with  
21 that site.

22 It's kind of hard to see. It's up there on the  
23 hill. Someone told me earlier today that this looked  
24 like a picture of Pittsburgh, but it really isn't. It's  
25 very difficult to see, but it is in that photo. It's up

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<p>1 on the hill and kind of overlooks the 322 area in 2 Parcel A.</p> <p>3 Now, the site release criteria for the final 4 status survey. Site release criteria is based on either 5 risk a release -- risk-based release limit or a 6 dose-based release limit.</p> <p>7 EPA uses the risk-based release limit, which is 8 basically preliminary remediation goals that are based 9 on a 10-to-the-minus-6 risk or a 1-in-a-million risk.</p> <p>10 And the preliminary remediation goals for all 11 the different radionuclides are posted on an EPA Web 12 site. They have different risks for different 13 scenarios, such as residential, industrial worker, 14 agricultural. There's all types of different things.</p> <p>15 These are generally reported in pico curies per gram of 16 contamination or pico curies per liter of contamination.</p> <p>17 Now, the Nuclear Regulatory Commission does a 18 dose-based release, and that is based on what the 19 residual contamination left at a site after the 20 remediation, after the surveys, would equate to 21 25 millirem per year.</p> <p>22 Next slide, please.</p> <p>23 But in this instance, we're going to the 24 California Department of Health Services for the 25 dose-based release. They follow the dose-based release</p> <p style="text-align: right;">Page 33</p>	<p>1 However, it doesn't really impact on the final 2 release of the site 'cause that material is not there 3 any longer.</p> <p>4 The final status survey report is currently 5 under regulatory review. The Department of Health 6 Services has been working with us this week dedicatedly 7 to try to get this approved, and we are awaiting the 8 final clearance letter from them. When we get that 9 letter, it will be added as an addendum to the Parcel A 10 FOST.</p> <p>11 And as we stand right now, of the five 12 previously identified impacted sites, radiologically 13 impacted sites, on Parcel A, which would be 14 Building 816, Building 821, Building 813, Building 819, 15 and Building 322, Building 813 and 819 have been 16 reallocated to Parcel D. Building 816 and Building 821 17 has been free released previously.</p> <p>18 So when we get the letter from DHS releasing 19 this site, that will be the final radiological issue on 20 Parcel A.</p> <p>21 Okay. Current HPS radiological sites. Now 22 that we have the HRA finished, we've identified all the 23 impacted sites. We are continuing with the radiological 24 investigations.</p> <p>25 It's going to become very important that we</p> <p style="text-align: right;">Page 35</p>
<p>1 standard. However, they go with a lower number. They 2 won't give us an exact number, but pretty much it's 3 something under 15 millirem per year.</p> <p>4 Basically, what they tell us is: The lower, 5 the better. 25 millirem probably isn't going to pass. 6 And to do that and meet their requirements, we do dose 7 assessments on any residual contamination or on the 8 final status survey results for that site.</p> <p>9 So we're looking for something at that site in 10 322 that we would equate to less than 15 millirem per 11 year, probably less than 5 millirem per year.</p> <p>12 The Class 1 area dose assessment, we found 13 0.812 millirem per year. The Class 2 area was 14 surrounding with a concrete and everything that's 15 slightly higher, and we had a dose assessment of 16 3.56 millirem per year. That is the residual dose at 17 322 after everything is removed. Obviously, there is -- 18 it is extremely low numbers there.</p> <p>19 The final status survey report was issued on 20 27 July 2004. There has -- It only contained the final 21 status survey results. It did not contain the results 22 of the building and concrete pad release surveys and 23 disposals. That has been requested to be added to the 24 report. We are doing that and will add that to the 25 report as an addendum.</p> <p style="text-align: right;">Page 34</p>	<p>1 post these sites with the known contamination. When we 2 go and do a survey of a site or a scoping survey of the 3 site, it's requirement for us to post those sites as 4 possible in some instances even restrict access to those 5 sites.</p> <p>6 We're going to be putting up signs. And for 7 instance, Building 253 where we have contamination 8 basically throughout the building we have found, we're 9 posting that. We are securing the entrances to that 10 building, and we are posting the building as a known 11 radiation area.</p> <p>12 In some instances, say, Building 366 where the 13 artists are still in the building, they have chosen 14 they -- they don't have a new place to go yet; but they 15 are staying and working in that building.</p> <p>16 The contamination is restricted to the floor 17 drains and to the ventilation system. In that instance, 18 we do not have to post the building or restrict access 19 to the building, but we will post the floor drains and 20 the ventilation system. This is to let anybody know who 21 comes in and is uninformed what we are dealing with and 22 the fact that there is potential radioactive 23 contamination there that they can be exposed to.</p> <p>24 So there are numerous -- numerous areas, excuse 25 me, on the base, and you'll see signs going up. The</p> <p style="text-align: right;">Page 36</p>

1 shoreline is one of them, Parcel A areas, 364, 211.  
2 There are sites where we -- 500 areas where we know we  
3 have contamination, and we're putting the signs up to  
4 let everybody know where that contamination is located.

5 DR. SUMCHAI: Would you repeat what the  
6 building is that the artists are tenants in that --?

7 MS. LOWMAN: 366.

8 DR. SUMCHAI: 366. And you're saying that they  
9 have chosen to not leave or what?

10 MS. LOWMAN: Well, there -- it's -- they  
11 actually don't want to leave the building is my  
12 understanding. But Keith better address that one more  
13 than me.

14 MR. FORMAN: For Building 366?

15 MS. LOWMAN: For 366 and the artists.

16 MR. FORMAN: Yeah. If you remember, a number  
17 of months ago at the end of 2003, October-November time  
18 frame, I think, we released all the data we had on 366.  
19 We went with Mr. Terzian -- he's the manager for those  
20 buildings on the base and that lease on the base, I  
21 believe -- and explained the extreme low levels but  
22 explained also that because of what we have to do to  
23 get -- to remediate under these extremely low levels,  
24 the --

25 Laurie is going to have to direct contractors

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1 to do things to the building that mean you can't -- you  
2 can't reside in it anymore; you can't work in it  
3 anymore, like do things that will affect the structural  
4 integrity of the roof and scavel out concrete and stuff  
5 like that.

6 The request came along to how soon does the  
7 Navy need to do this?

8 And originally we had said, "Well, if we have  
9 the funding, we want to try and do it as quickly as  
10 possible."

11 And I believe the original deadline was set for  
12 January of this year. Here it is August, and the  
13 artists are still in the building. They'd like to stay  
14 there as long as is practicable before we have got to  
15 make some sort of move -- or they have got to make some  
16 sort of move.

17 To do that, I believe the requirement that's  
18 been put on the Navy is not to just say, "Well, Artists,  
19 you got to move." We have got to find new buildings for  
20 them on the base and then do a document called a finding  
21 of suitability to lease, an FOSL; and then you have to  
22 push that through and get that approved, and then the  
23 artists will be able to relocate to buildings that --

24 Dave Terzian's been working with the SFRA, and  
25 he's been working with the artists too, showing them

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1 options. And I believe they have toured other buildings  
2 and things like that.

3 But as it stands now, they are still in  
4 Building 366; and if the Navy doesn't push the cleanup  
5 schedule, they are going to reside -- or they are going  
6 to work in 366 until they have to leave. And they're  
7 probably not going to leave until there's an approved  
8 FOSL.

9 DR. SUMCHAI: Right. But you had done a  
10 cumulative low-base calculation on there, the risk; and  
11 are we, you know, reviewing that --

12 MS. LOWMAN: The dose --

13 DR. SUMCHAI: -- for --?

14 MS. LOWMAN: -- assessment?

15 DR. SUMCHAI: Yes.

16 MS. LOWMAN: RASO did do a dose assessment, and  
17 that was presented to the artists by Commander Frago, and  
18 I believe.

19 DR. SUMCHAI: Right. It --

20 MS. LOWMAN: The risk is extremely low.

21 DR. SUMCHAI: But it's increasing the longer  
22 they stay there. That's the point I'm making.

23 MS. LOWMAN: The risk was based on a 50-year  
24 occupancy, I believe.

25 DR. SUMCHAI: Okay.

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1 MS. LOWMAN: We took the most conservative  
2 factors that we could. So basically, no, they are not  
3 being exposed anymore, because the risk assessment took  
4 in a 50-year occupancy at the building, and we took it  
5 at, I believe, 365 days a year, 24 hours a day.

6 So there -- basically, that contamination is in  
7 place and not moving. However, when we go to do the  
8 decontamination, we are going to have to take out the  
9 ventilation system. We're going to have to dig up  
10 pipings that are under the floor and dig out drains.

11 It's going to be --

12 There's contamination in the sanitary lines  
13 outside on Cochrane Street outside in front of the  
14 building. It will be very difficult for them to be in  
15 the building and us to do all the work that's involved.

16 And so before we can continue with that work,  
17 they are going to have to find a new location, and the  
18 Navy's working with them on that.

19 MS. OLIVA: Eight months ago when this all  
20 became an issue, I had requested that Mr. Forman  
21 consider tenting that building in -- when it is  
22 remediated because all of this building, 101, is upwind  
23 from that, and we face it. And I'm not sure if it was  
24 you or Pat that mentioned that it was too costly.

25 I'm wondering if that can be resurrected and

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1 someone look into that.  
 2 MS. LOWMAN: Basically right now as it --  
 3 MR. FORMAN: It's not that it's costly. It's  
 4 just that we didn't --  
 5 MS. LOWMAN: It basically for Building 366, it  
 6 probably won't be necessary because the work will be  
 7 done inside the building.  
 8 So it's not work that will remove the roof  
 9 structure. It's not work that will take out the  
 10 building. It will just remove components inside of the  
 11 building. So I --  
 12 MS. OLIVA: Sewer.  
 13 MS. LOWMAN: The sewer in front, that is not on  
 14 the schedule right now. And we have to do further  
 15 investigation of all the sewers and storm drain lines.  
 16 And until we do those investigations and  
 17 determine the extent of the contamination -- these pipes  
 18 are 3 to 4 feet below surface right now. They are all  
 19 contained within there -- you know, it's hard to say  
 20 what we will do when we do that one. And I can't make a  
 21 commitment until we know the extent of the  
 22 contamination.  
 23 MS. OLIVA: Thank you. Just know that the wind  
 24 blows out here.  
 25 MS. LOWMAN: I know. It's blowing right now.

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1 Yes, it is.  
 2 Okay. The other thing that we're doing now  
 3 that we have the HRA done and we have identified the 91  
 4 impacted sites is to coordinate the other site work, the  
 5 non-rad work, with what is being done on the impacted  
 6 sites.  
 7 And this is -- created quite a work load for  
 8 myself and Matt, but it's still necessary. We're going  
 9 to have to review all the work plans prior to the start  
 10 of any work on an impacted site.  
 11 And this could be work for PCBs. This could be  
 12 work for methane gas extraction system that we did  
 13 previously. This could be any type of work putting in  
 14 groundwater monitoring wells. Anything that's going to  
 15 do work on an impacted site we'll review and make sure  
 16 that the proper controls are applied before that work  
 17 begins.  
 18 Now, if that means that we have to go out and  
 19 do a cursory survey of an area or we have to inform the  
 20 workers for -- the non-rad workers to make sure they are  
 21 aware of what they are doing or address any safety and  
 22 health issues, whatever it will be, we'll make sure that  
 23 the site -- rad site contractors are working on that.  
 24 MR. TOMPKINS: Laurie, in a previous dispute  
 25 between state and the federal on the cleanup of the

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1 radium dials, have you intervened and decided because  
 2 Dr. Con [phonetic] Chow was representing the state, and  
 3 they wanted to pull out the radium dials and first  
 4 wanted chemical contamination be addressed prior to the  
 5 radiological.  
 6 Has that been resolved, or have you  
 7 investigated that? And what would be the proper  
 8 methodology and steps --  
 9 MS. LOWMAN: Okay.  
 10 MR. TOMPKINS: -- for cleanup?  
 11 MS. LOWMAN: We are -- We'll come to that  
 12 later in the slides, but there is an area --  
 13 MR. TOMPKINS: Okay.  
 14 MS. LOWMAN: You want to wait?  
 15 MR. TOMPKINS: Yeah, I'll wait.  
 16 MS. LOWMAN: Okay. That'll work.  
 17 So the other thing we'll be doing with this is  
 18 screening the equipment with the non-rad work when they  
 19 are finished with the work at that site just to make  
 20 sure they haven't picked up any residual contamination.  
 21 Next slide, please.  
 22 Examples of where we're doing this work, for  
 23 instance, are the Building 819 sewer bypass. They were  
 24 running an above-ground sewer bypass because 819 is no  
 25 longer the pump station for the sanitary sewers leaving

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1 the base down Crisp Avenue.  
 2 They are going to stop using the above-ground  
 3 piping and go back to using -- they are having the  
 4 pumps, but they'll use the existing below-ground piping.  
 5 So we are providing support by screening the  
 6 piping, the above-ground piping, that they have been  
 7 using and talking to the workers and everything for the  
 8 below-ground piping that they are -- and the pumps they  
 9 are connecting.  
 10 Another one is there's soil from well borings  
 11 that were done near the landfill. They removed the  
 12 soil. We have it in a container. We're performing  
 13 radiological screening and a sampling of that soil  
 14 before it leaves for any type of disposal.  
 15 This is a good example of one that -- and the  
 16 reason we're doing this. There was a storm drain  
 17 adjacent to the Building 130 area, not adjacent to 130,  
 18 but the area of Building 130. It's about 20 feet long.  
 19 The storm drain line dumps into the bay and has  
 20 a catch basin where raw surface water runs off to the  
 21 catch basin and then goes down the 20-foot storm drain  
 22 line. They discovered that line when they were doing  
 23 some excavation, other types of excavation, in that  
 24 area.  
 25 We did do some sampling in the sediment in that

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1 line. There is elevated cesium levels in there, and we  
2 are doing additional radiological studies on that site.  
3 So this is a good example of why we're doing  
4 this work that -- you know, working with the non-rad  
5 contractors that are doing work at an impacted site.  
6 And the impacted site for this would have been the storm  
7 drain lines on HPS.

8 The storm drain line does not connect to the  
9 storm drain system on the property. It only drains from  
10 this one catch basin that is, like, 20 feet away from  
11 the bay.

12 Completed work that we finished recently:  
13 Building 322 site. Everybody knows about that one.  
14 That's the one in Parcel A.

15 Building 819, dismantling, removal, and  
16 packaging. We have removed the pump system, and that  
17 has been surveyed. We found no contamination, and now  
18 we're going to be doing a final status survey of that  
19 building. But we have completed --

20 And this one -- this map, I think we have the  
21 arrow pointing to the wrong building. I think it should  
22 be pointing to the smaller building. But that is  
23 Building 819 and then working there at the pump house.

24 Another ongoing project is Building 253. I'm  
25 sure everybody knows where this building is. It's

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1 pretty much a landmark for Hunters Point. You can see  
2 it -- I know you can see it from 101, and you sure can  
3 see it when you fly in. It's always --

4 MR. CAMPBELL: It glows?

5 MS. LOWMAN: Pardon?

6 MR. CAMPBELL: It glows?

7 MS. LOWMAN: It does. Kind of does, I guess --

8 MR. CAMPBELL: Right.

9 MS. LOWMAN: -- yeah.

10 Okay. Next slide.

11 We're doing the 253 characterization. We're  
12 trying to define the extent of contamination within the  
13 building and the type of contamination within the  
14 building.

15 It does involve the removal of some  
16 contaminated areas to allow characterization to be  
17 completed, and one of those is: The flooring on the  
18 first floor, or the ground floor, of 253 is wooden  
19 blocks that stand on end.

20 And they are just stacked together very  
21 tightly. That's a very common thing in shipyards. I'm  
22 not exactly sure why. Maybe it holds a lot of weight.  
23 I'm not exactly sure what they use that --

24 MR. SURBER: Excuse me. We usually take a  
25 break about this time, and I didn't know if there was a

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1 good point in your presentation to take a break or --

2 MS. LOWMAN: Yeah.

3 MR. SURBER: -- or --

4 MS. LOWMAN: You want to do a break, or you  
5 want to go on and ask -- take a break before  
6 questioning?

7 MR. FORMAN: Well, we generally give the court  
8 reporter a break.

9 MS. LOWMAN: Oh. I'm so sorry.

10 THE REPORTER: Well, how much more do you  
11 think --?

12 MR. FORMAN: A lot.

13 MS. LOWMAN: I have ten more slides.

14 THE REPORTER: Minutes.

15 MR. FORMAN: That's a lot.

16 MS. LOWMAN: That's a lot.

17 MR. FORMAN: So we should take a break.

18 MS. LOWMAN: Yeah, okay.

19 MR. SURBER: Okay. We'll take that ten-minute  
20 break.

21 (Recess 7:03 p.m. to 7:13 p.m.)

22 MR. SURBER: Let's continue with the  
23 presentation. Thank you.

24 MS. LOWMAN: Okay. Everybody's back?

25 We're back to 253, and we're doing the

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1 characterization to define the extent of the  
2 contamination and the type of contamination that's in  
3 there, identify the various radionuclides that are  
4 involved.

5 Well, as we talked about before, we're going to  
6 have to remove some equipment and the flooring, that  
7 type of thing, so that we can see if there's  
8 contamination under that.

9 Any remaining equipment in the building,  
10 there's desks; there's chairs; there's odds and ends  
11 pieces of equipment; there's big work benches. We pull  
12 drawers out of the work benches, that type of thing,  
13 check them for contamination; and we're screening all of  
14 that.

15 We're going to be checking the ventilation  
16 system, of course.

17 And the piping in the building: If this is the  
18 site of the radium dial paint shop, we should be finding  
19 some radium levels in the piping, and those will be  
20 traipsed out to the street. This is our best candidate  
21 for the radium dial paint shop, although we have not  
22 found any actual documentation that says this is where  
23 it is.

24 But we have found documentation relating to the  
25 discovery of boxes. I'm talking, like, 4- by 6-foot

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1 boxes full of radium dials and gauges there in those  
2 buildings, so -- in that building of various floors. So  
3 we're thinking that's why they were there.  
4 On the metal reef area and the metal slag area,  
5 they are on the shoreline in Parcel E. We're doing some  
6 characterization work to define the extent of the metal  
7 reef and metal slag area; and during that work, which is  
8 actually non-rad work, we are providing rad support  
9 because in the former shoreline surveys, we did discover  
10 radioactive anomalies in this area.  
11 So as they are doing corings and different  
12 things, we are doing sampling out of the corings to make  
13 sure that there is no rad material in the corings but in  
14 samples that are being sent off site for processing.  
15 The work plan for this area was approved by the  
16 regulators. Site work has started. And as I stated  
17 before, the radiological support is being provided, not  
18 only for the screening of the samples, but education of  
19 the workers, everything else associated with that.  
20 Pending projects include IR-02 Northwest and  
21 Central.  
22 Matt, do you want to play laser man?  
23 MR. SLACK: Sure. Got it?  
24 MS. LOWMAN: Matt can be the laser man.  
25 MR. SLACK: I hope I can figure out how it

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1 works now. Over this --  
2 MS. VETROMILE: Here, over in this area right  
3 here.  
4 MR. FORMAN: Yeah, if you could, 'cause that  
5 map is too far for --  
6 MS. VETROMILE: Also, if you move just a little  
7 bit, Laurie.  
8 MR. SURBER: There's a map over here is what  
9 we're going to be closer --  
10 MS. LOWMAN: Maybe that would be better.  
11 MR. FORMAN: Maybe I could -- If he's going to  
12 use a laser on you, I'd rather have this used on me.  
13 (Simultaneous colloquy.)  
14 MS. LAURIE: If the board hits me, you are all  
15 my witnesses.  
16 Okay. IR-02 Northwest and Central, and it  
17 is --  
18 ATTENDEE: Other one is?  
19 MR. FORMAN: Think so? How's the glare factor  
20 on that?  
21 MR. TOMPKINS: It's okay.  
22 MS. LOWMAN: Got it?  
23 MR. FORMAN: Very good.  
24 MS. LOWMAN: Okay. This known area of radium  
25 dial disposal, some folks refer to it as the radium dial

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1 disposal area. That is an unofficial name. We have not  
2 found documentation of that, but we do know there's a  
3 concentration of radium and/or strontium deck markers,  
4 radium dials and gauges in that area.  
5 We will be doing an investigation, and that  
6 work plan for that investigation is being revised.  
7 RASO's reviewed it once and made comments, and it is  
8 being revised.  
9 Is that the one you were talking to me about --  
10 MR. TOMPKINS: Right, exactly.  
11 MS. LOWMAN: -- whether we were going to be  
12 looking at the CERCLA contaminants as well as --  
13 MR. TOMPKINS: Right.  
14 MS. LOWMAN: -- the rad contaminants?  
15 His argument was that to go in to deal with the  
16 radium, then you want to put the chemical contamination  
17 back in ground makes no sense 'cause once you go in, you  
18 dig it; you expose it. You expose it to oxygen,  
19 possible other chemical reactions taking place,  
20 exposure.  
21 MR. FORMAN: Right. And that's why it's being  
22 revised.  
23 MR. TOMPKINS: That's exactly the area because  
24 it was dispute that the Navy's position, they just want  
25 to go deal with the radiological factor and not deal

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1 with the chemical contamination.  
2 It was the state's position that made no sense.  
3 Why not go in -- if you going to deal with it, do it  
4 correctly -- remove both contaminant chemical as well as  
5 the radiological? And that you need -- when you moving  
6 the soil, you're removing chemicals. So dispose of  
7 that, then deal with the radiological factor.  
8 The Navy only wanted to deal with at that time  
9 radiological and put the contamination back in the  
10 ground.  
11 Has that been resolved, and what is your  
12 position on that as well as RASO?  
13 MS. LOWMAN: Okay.  
14 MR. TOMPKINS: Thank you.  
15 MS. LOWMAN: RASO was equally concerned with  
16 the state. And one of the things we are doing is  
17 looking at that process again, and that's one of the  
18 reasons the work plan is being revised.  
19 This is a joint venture for RASO and Southwest  
20 Div., because we don't have control over the CERCLA  
21 contaminants unless it is radioactive mixed with CERCLA  
22 at which point it becomes mixed waste, and then it falls  
23 under my jurisdiction.  
24 So I am waiting for the revised -- yeah, just a  
25 second -- work plan to come back. I think everybody's

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1 retaking another look at the process, and we're seeing  
2 what we're going to do from there.

3 For the rad, it is very detailed. You know,  
4 we're pulling it out in 1-foot lifts. We've got  
5 conveyor belts where we're doing the segregated gate  
6 screening where the contaminated materials go over here;  
7 the non-contaminated goes over there.

8 There's very detailed procedures for that and  
9 for the PCB hot spot soil excavation where they're  
10 taking those up to the PCB area also, and we're using  
11 the same type of procedures for that.

12 So both of those work plans are back for  
13 revision. We have made multiple comments, and the plans  
14 for those are being reassessed, not necessarily for the  
15 rad work, but for the other work associated with them.

16 Have another comment?

17 MR. TOMPKINS: You mentioned that -- and for  
18 clarity, as you just -- 'cause you mentioned exactly  
19 where I was going into -- as you go closer to the radium  
20 dials, it would be, then, in terms, as you go down  
21 closer to the actual dials itself, the possibility of  
22 soil contamination.

23 So therefore, it would fall under your  
24 jurisdiction, would it not?

25 MS. LOWMAN: Anytime -- Generally -- We'll  
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1 that has to be handled separately from mixed-waste soils  
2 and rad and the CERCLA together, and then you have the  
3 other contaminants.

4 So segregating them all out and getting them  
5 all profiled properly and disposed of properly is really  
6 a very complicated process.

7 MR. TOMPKINS: Okay.

8 MS. LOWMAN: Okay. And that applies -- That  
9 same -- We're using the same processes at the PCB hot  
10 spots that we're using at Northwest and Central. So --  
11 and PCB hot spots is in IR-02, like up in this area  
12 [indicating] right above Northwest and Central.

13 So those work plans are somewhat tied together  
14 that when we make comments on one, they affect the  
15 other. And they're both being revised, and I'm not sure  
16 when we're getting those back. But I'm on vacation next  
17 week. They should take their time.

18 Building 146, that's one of our upcoming  
19 projects. We are working on the work plan for that.  
20 I've seen one work plan that's being revised. It sits  
21 over -- right over there, right up here on Parcel B next  
22 to IR-07 and 18.

23 You can go to the next slide.

24 It's being revised for a characterization  
25 survey.

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1 start with this: Generally, if you have a radium dial  
2 or gauge that's buried in -- and I'm going to talk about  
3 one, not a group of them, but one -- pretty much we take  
4 1 foot of soil around that gauge as a general measure to  
5 removing the residual contamination from that dial or  
6 gauge.

7 With this being a bay fill area and with known  
8 chemical metal contamination, it is probably going to  
9 happen where that soil is going to contain some other  
10 contaminant other than the radium. In that instance, it  
11 falls under mixed waste, and that falls under my  
12 program, LLRW program, and so that's taken out and  
13 removed.

14 The areas that would fall under the CERCLA-only  
15 program would be ones that do not have any rad and had  
16 other types of contaminants in them, and we are checking  
17 all that.

18 It's going to be a very involved process. It  
19 will be a lot of sampling.

20 It will be a lot of detailed work to  
21 distinguish because you can't use -- you know, you're  
22 going to have rad waste streams, just radiological waste  
23 streams. You're going to have devices by themselves  
24 that have to be buried separate from just  
25 rad-contaminated soil. You have rad-contaminated soil

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1 We previously did a Class 3 MARSSIM survey in  
2 there, which involved about 20 percent of the building.  
3 However, after we did that survey, we determined in  
4 doing the HRA that that building was used as a turn-in  
5 point for radium dials and gauges.

6 The Navy had a radium removal program, they  
7 called it. It started in the late '60s, went into the  
8 '70s and even goes on today, which basically removes any  
9 radium dial or gauge off any ship and replaces that with  
10 a non-radium substitute. In most instances nowadays,  
11 they don't even have radioactive material in the  
12 self-illuminating gauges.

13 So that was -- after NRDL closed, that was the  
14 turn-in point for the radium dials and gauges, and it  
15 was also the turn-in point for any shipyard radioactive  
16 waste. We found that out after we had done the Class 3  
17 20 percent survey.

18 So we are going back to do a hundred percent  
19 survey of the building, of the ventilation system, and  
20 of the piping. That is one of our upcoming projects.

21 Right adjacent to that is IR-07 and 18, these  
22 two fill areas over here. They have had a lot of  
23 different rad surveys done, various ones, but never one  
24 that covered the entire site, both sites.

25 So we are planning for a scoping survey of that

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1 entire area, both 07 and 18. We're going to do  
2 100 percent of those sites, and we'll do the shoreline  
3 along that area right up here to the dry docks also in  
4 that work plan.

5 That work plan, again, we have looked it. It's  
6 gone back for comment -- incorporation of comments,  
7 rather.

8 Another one of our pending projects is the  
9 Phase V report. Now, Phase V was done in January 2002  
10 to January 2003. I have this huge stack of reports --  
11 some of them 4, 5 inches thick -- with all the data  
12 involved. They were different sites on Parcel B, C, and  
13 D.

14 Because of the HRA work we were doing, we  
15 stopped the work on those reports so we could  
16 concentrate on getting the HRA out and identifying all  
17 the radiologically impacted sites. We felt that was  
18 much more important to get all that work done and those  
19 sites identified before we went to review these reports  
20 in case we had additional information that would impact  
21 the results of these reports.

22 So RASO has the reports for Parcels B, C, and  
23 D.

24 The reports for Parcel E work that was done,  
25 for instance, the survey of IR-1/21 in the landfill,

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1 those reports have not been done yet. They are -- and  
2 we'll be issuing a contract to have those reports done.  
3 I have the data, but I do not have the reports.

4 And once RASO reviews and approves those  
5 reports, then those will be forwarded to the regulators.  
6 If RASO finds a problem with the report, then the report  
7 goes back to the contractor, and we go back to the  
8 field; we go back to the building; we go back to the  
9 site wherever it is.

10 So we take into consideration when we look at  
11 these the results of the HRA, and then we look to make  
12 sure the work we did in Phase V was appropriate.

13 So this is going to be a big task. We're  
14 hoping to have them done within the next six to eight  
15 months.

16 FY05. For the government, fiscal year runs  
17 1 October to 30 September for our money when George  
18 gives us our new budget, yeah, whenever that may be.  
19 Sometimes it's January before you get any money, but --

20 MS. WRIGHT: George who?

21 MS. LOWMAN: Okay. FY05 work that's planned so  
22 far -- we're hoping for this -- Phase V Parcel E  
23 reports. Those are the once we just talked about.

24 We're going to try to complete some pending site work.

25 We talked about Building 366. That's the one

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1 with the artists that we just talked about before, right  
2 there, I believe [indicating]. We're close. We are on  
3 the right street. Okay. That is contingent upon  
4 finding a new home for the artists. So that's all tied  
5 in together. But hopefully, we'll get that done next  
6 year.

7 Building 364, which is down the street from  
8 366, we have done extensive remediation in that building  
9 and outside of that building. The liquid waste -- The  
10 radioactive waste tanks were behind that building, and  
11 we have removed those. We have removed all types of  
12 piping and everything inside the building.

13 And we still have remediation to do. We  
14 thought we were finished, and we're not. We still have  
15 one room with contamination. So we've got to go back in  
16 there and then do the final status survey.

17 Building 211, which is --

18 Can you find that, Matt?

19 MR. SLACK: I'm blocked at the moment.

20 MS. LOWMAN: Right there [indicating]. Okay.  
21 There we go.

22 We have some thorium contamination in there on  
23 the ground floor of that building. It's not a very  
24 large area. The rest of the building has been surveyed,  
25 and we found no additional contamination, but we need to

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1 do the remediation and the final status survey of that  
2 area.

3 Building 253. Hopefully, we'll finish our  
4 characterization, and that will -- we'll jump right into  
5 remediation work on that building and, subsequent to  
6 that, a final status survey.

7 We will also be doing -- hopefully, we get the  
8 work plan approved -- the IR-02 Northwest and Central  
9 remediation, the PCB hot spot remediation.

10 IR-04, the scrap yard [indicating].

11 MR. SLACK: Am I about right?

12 MS. LOWMAN: No.

13 MS. VETROMILE: Higher, higher.

14 MS. LOWMAN: It's over in there [indicating] by  
15 810.

16 We have done surveys and remediation in that  
17 facility or that area. Every time we have done it we  
18 have found more contamination on the boundary of the  
19 area and every time we go out by 10 meters in all  
20 direction. So it's time for us to do that again.

21 We found additional charac- -- So we do  
22 additional characterization remediation and hopefully  
23 final status surveys in that area.

24 New scoping surveys. These would be areas that  
25 we have not surveyed before and we would be going in for

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1 the first time to do scoping surveys. They would  
2 depend -- The extent of those would depend on the  
3 information in the HRA and what we needed to do.  
4 The areas include 203 and 521. Those are the  
5 power plants. You all know about them burning the  
6 plutonium-contaminated fuel when we brought the  
7 Crossroads ships back. And we have also found radium  
8 dials on the boilers inside the building, so we need to  
9 remove those also.

10 Building 408 is over here [indicating], like,  
11 right there, I think, Parcel D. It's the smelter. It  
12 not only is full of firebrick, which is going to give  
13 you elevated radiation levels from naturally occurring  
14 materials in the firebrick, but it is very common with  
15 the Navy in days past to just put radium dials and  
16 gauges on whatever metal and put them in the smelter.

17 And that's probably why we have the  
18 contamination in the metal slag and metal reef area is  
19 because they've removed the material from the smelter  
20 and took it to those areas. So we have to do the  
21 smelter and see if there's any residual in there.

22 Building 813, it's one of the ones that was  
23 reallocated from Parcel A to Parcel D. That had leaking  
24 strontium-90 spores in that building. It's quite a  
25 large building.

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1 We have done a walk-through and found some  
2 radiation warning signs up on one of the floors. They  
3 were actually in German, for the most part.  
4 Strahlungsgefahr, you will be happy to know, means  
5 danger radiation. So in case you ever wondered, say it  
6 in German, you now know.

7 So we're not sure why they're there. We've got  
8 to do some more investigation in that building.

9 Dry Docks 5 and 7. They are up here at the  
10 top. We did Dry Dock 6, but we didn't do 5 and 7. We  
11 are not sure exactly where the Crossroads ships went.  
12 We knew they went in 6, and we really feel it's  
13 important to get all of the dry docks and survey them  
14 properly.

15 We'll also be doing the pumps in the dry docks,  
16 as soon as we figure out exactly how to do that, that  
17 would have pumped the water out of the dry docks. And  
18 when we do those, we do do the sediment in the bottom of  
19 the dry docks too. So some sampling there.

20 Building 114 site, which is basically down in  
21 here, it's a Parcel B site. It's a former NRDL  
22 building. The exact use is not known. But we're going  
23 to go to that site. It's not there anymore. It was  
24 torn down. We're going to check that out and make sure  
25 there's no problem.

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1 Building 140 and the discharge tunnel. That's  
2 the Dry Dock 3 drain system over in Parcel C, and that  
3 is on our list for FY05. That is from the Operation  
4 Crossroads list. Decontamination, again, that's our  
5 concern with that dry dock and the discharge tunnel.

6 Building 142 is another NRDL site that's up  
7 there in the corner. We're going to be doing some  
8 surveys in that building also.

9 That's it. Okay. I want to hand the  
10 microphone.

11 ATTENDEE: Yeah.

12 MR. SURBER: Why don't we begin here and  
13 then . . . ?

14 MS. OLIVA: Thank you, Laurie. Since you are  
15 in the process of doing these scoping surveys and the  
16 characterization surveys and you're in the process of  
17 identifying contaminants and you are printing up the  
18 HRA, may I make a proposal that this information be  
19 included as an addendum and not as a separate report to  
20 the HRA?

21 MS. LOWMAN: Which information did you want?

22 MS. OLIVA: The information that you haven't  
23 discovered yet, the fact that you're doing new scoping  
24 surveys and you're coming up with new contaminations and  
25 the HRA, everything.

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1 I realize it's a time --

2 MS. RINES: Snapshot.

3 MS. LOIZOS: A snapshot.

4 MS. OLIVA: -- a snapshot; but I think as a  
5 document itself, the information that you discovered,  
6 just as you shared that information with us now, should  
7 be included as an addendum to that document so it is one  
8 piece.

9 MS. LOWMAN: That's not necess- -- That's a  
10 good idea, actually. The document -- The documents for  
11 the individual sites will be the site-specific reports  
12 about the investigation.

13 However, it would be reasonable at some point  
14 in time when we have done, say, a parcel or we have done  
15 a certain area that we do an addendum, add these -- the  
16 results of these surveys to the HRA. That's a good  
17 idea.

18 When we have an ongoing active base and we do  
19 an HRA, we update it periodically, and that would be the  
20 same type of thing we could do in this instance.  
21 Because we have so many investigations yet to do, I  
22 think that's a good idea.

23 MR. SURBER: Okay. Good. So that will be done  
24 with two people.

25 MS. LOWMAN: It will take time, yeah.

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<p>1 DR. SUMCHAI: I have three issues that I want 2 to address that I think are very important, and I --</p> <p>3 MR. SURBER: Do we -- do we have an agreement 4 to do one issue at a time per speaker? No? I was told 5 we did.</p> <p>6 DR. SUMCHAI: Okay. There is a incredible 7 amount of information here. There is an enormous amount 8 of information here. I'm probably one of the more 9 expert RAB members, you know, with regard to fund of 10 knowledge of this information --</p> <p>11 MR. SURBER: Please proceed.</p> <p>12 DR. SUMCHAI: Okay.</p> <p>13 So the three issues that I wanted to address:</p> <p>14 One, I wanted to thank Michael Work from the 15 EPA for addressing some concerns that I had. Clifton 16 Smith and I had an opportunity to go through the 322 17 gamma-spec survey results, and I wanted to clarify one 18 that the use of Building 901 as a reference raised some 19 red flags for me because if you've read the response to 20 comments, there were concerns that I raised about 21 sandblast material in SI 19, Building 901, the Officer's 22 Club, was one of the areas where sand blast had been 23 used as fill into median divide.</p> <p>24 So I, you know, to begin with had some concerns 25 about using this as a reference site if there was any</p> <p style="text-align: right;">Page 65</p>	<p>1 DR. SUMCHAI: Well, I have two big issues with 2 regard to the landfill and, you know --</p> <p>3 MS. LOWMAN: Okay. Let me do this one. Do 4 them one at a time.</p> <p>5 MR. FORMAN: Okay.</p> <p>6 MS. LOWMAN: I did look into Building 901 and 7 the sandblast grit issue that was in the planters, I 8 believe it is, outside of the building as a 9 decorative-type soil; and it was completely removed from 10 that site.</p> <p>11 The areas that we used in 901, some of them 12 were inside of the building, which would not have had 13 anything to do with the sandblast grit. The others were 14 asphalt and concrete areas outside of the building.</p> <p>15 So we did not feel that there's any reason, 16 since the sandblast grit was completely removed from the 17 site previously, to worry about that. And it's like the 18 IR-59 investigation of Parcel A, that they are too all 19 the sandblast grit was removed.</p> <p>20 As far as the europium 152 and 154 and its 21 presence on the gamma-spectroscopy reports, the 22 uncertainties that are on -- listed on the report are 23 uncertainties or percentages of uncertainties that the 24 gamma-spectroscopy system identifies using mathematical 25 equations.</p> <p style="text-align: right;">Page 67</p>
<p>1 issue about whether or not it was radiologically 2 impacted.</p> <p>3 I -- you know, your comments satisfied me on 4 the overall, although the amount of radiological 5 assessment that was done at SI 19 for this sandblast I 6 don't think was satisfactory enough to, you know, 7 totally resolve, you know, the issue.</p> <p>8 But, you know, I did want to just make that 9 point, that if you wanted to use a reference that this 10 building -- I think that, you know, there's just some 11 historical information that would lend a question as to 12 whether or not it could be considered not impacted, you 13 know, just based on the IR report.</p> <p>14 Okay. The other issues, you know, that we had 15 raised was, you know, the presence of some net activity 16 with man-made radionuclides at Building 901, europium 17 152, 154; and you had explained that, you know, there 18 was some uncertainty with regard to, you know, the 19 activity that was detected here.</p> <p>20 And my concern is that I didn't understand why 21 there would be any activity detected for man-made, you 22 know, radionuclides at a reference building, you know. 23 So that still, like, is a concern, you know, for me.</p> <p>24 Do you want to address that?</p> <p>25 MS. LOWMAN: Do you have one more?</p> <p style="text-align: right;">Page 66</p>	<p>1 And what it is doing is looking for the energy 2 peaks in the spectrum of energy exhibited by the sample 3 material. And then they check those against a library 4 of information. And the uncertainty is the percentage 5 of accuracy for those peaks. And the instance of 152 6 and 154 are in the library. So it goes and looks for 7 those peaks.</p> <p>8 The uncertainties in the gamma-spectroscopy 9 report are such that even though it looks like there 10 might be slightly elevated levels of europium 152 and 11 154, the uncertainties are so high that it is not there. 12 It has to do with how you read the report; and you look 13 at the uncertainties versus the MDA and the net 14 activity, and you make the comparison.</p> <p>15 So we have studied those, and I see the -- I 16 went through the gamma-spectroscopy reports myself in 17 detail and looked at each and every one just to make 18 sure that there was nothing there that I had missed or 19 someone else had missed previously, you know, in 20 reviewing the report. But there just isn't anything 21 there. I just can't identify anything with the 22 uncertainties that would indicate its presence.</p> <p>23 DR. SUMCHAI: I think that because the issues 24 related to the landfill and the dry dock are so big, 25 maybe I'll just leave those for my subcommittee report.</p> <p style="text-align: right;">Page 68</p>

1 MR. SURBER: Thank you.  
 2 MS. LOWMAN: Did --?  
 3 MR. SURBER: Other comments or questions?  
 4 MR. TOMPKINS: Yes.  
 5 Laurie, on the PCB hot spot radiological  
 6 support, we became aware of it about seven, eight years  
 7 ago about the elevated rate of breast cancer in  
 8 Bayview-Hunters Point when I was working with HEAP, and  
 9 we came up with first study on the extremely high breast  
 10 cancer rate for African-American women.  
 11 The issue of PCBs came up to our attention on  
 12 the Shipyard, and we were discussing at that time with  
 13 other members of the City, U.C., and who have been  
 14 consulting with the Navy that they were under the  
 15 assumption we found it ridiculous that there was no  
 16 escape from this building of PCBs into the air.  
 17 In terms of your cleanup, are you going to do  
 18 air monitoring on that, given the impact of the elevated  
 19 rate of breast cancer in Bayview-Hunters Point? Will  
 20 there be air monitoring on the cleanup on that?  
 21 Because Dr. Pollard and myself did independent  
 22 air studies of VOCs, and we didn't catch it at that  
 23 point, but we did get elevated benzene on -- next to  
 24 Parcel A. Given EPA's risk factor, it was 1 in 10,000  
 25 rather than 1 in a million.

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1 So we are concerned about the possibility given  
 2 that the -- when we got the report, the contamination  
 3 ratio was above EPA at 3- -- 35,000 -- 38,500 times  
 4 higher than what EPA said would be safe. So that this  
 5 is a very hot spot from the information we have.  
 6 What do you have and how will you address that  
 7 in the cleanup?  
 8 And I have a second question.  
 9 Death is a complicated matter.  
 10 MS. LOWMAN: This is not really my area of  
 11 expertise. PCBs and I are not bonding.  
 12 MR. TOMPKINS: Unfortunately, they bonded with  
 13 some of the women out here.  
 14 MS. LOWMAN: Yeah, unfortunately, they bonded  
 15 with someone else.  
 16 For the rad issues, we always do air monitoring  
 17 anytime we do rad work at the site.  
 18 I have looked at the proposed work plan. I  
 19 really can't remember exactly, 'cause I -- I mainly  
 20 focus on the radiological aspects of the work plan. I  
 21 do go through the others to make sure they don't impact  
 22 the radiological.  
 23 But I would think that either Keith can answer  
 24 this, or we can wait and address that when we look at  
 25 the new work plan.

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1 MR. FORMAN: Yeah. I can't say anything till  
 2 the work plan and the action memo come out.  
 3 MS. LOWMAN: Yeah. We're really kind of --  
 4 I'm -- you know, I can't really give you an answer about  
 5 the air monitoring. I can try to make sure that it is  
 6 addressed, but --  
 7 MR. TOMPKINS: Thank you. That is expressed  
 8 and concerned for prevention.  
 9 MS. LOWMAN: Okay.  
 10 MR. TOMPKINS: And one other question.  
 11 MS. PIERCE: Short.  
 12 MR. TOMPKINS: Short, to the point.  
 13 MS. LOWMAN: Okay.  
 14 MR. TOMPKINS: Earlier in earlier studies --  
 15 oh, first, in the sewer piece, in the previous team that  
 16 came up here that did -- they did no scoping of the  
 17 sewers for radiological. They said, "Oh, everything's  
 18 by the drain." And they did a presentation at the RAB  
 19 board, and I find it very -- it wasn't you.  
 20 MS. LOWMAN: Okay.  
 21 MR. TOMPKINS: It was another team.  
 22 MS. LOWMAN: Okay.  
 23 MR. TOMPKINS: But dealing with the fact that  
 24 it was practice of the Navy to pour some of the nuclear  
 25 waste down the drains, I find it being, what I use,

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1 "B.S.," bad science, not to go scope the sewage system  
 2 out.  
 3 Would you or your team look into this matter?  
 4 Because people want to use this sewage system, and  
 5 everybody has homes, and you know that sometimes your  
 6 lines -- you don't need a Ph.D. to understand that your  
 7 line gets plugged up at the street, and we're talking  
 8 over a 20-year period of accumulation and the  
 9 possibilities.  
 10 I think it behooves the Navy to deal with  
 11 scoping the entire sewage system on the base rather than  
 12 bypassing it.  
 13 MS. LOWMAN: The HRA lists the entire sewer  
 14 system, except for Parcel A, the upper part of Parcel A.  
 15 And the storm drain system and the septic fields, they  
 16 are around the 707 triangle that you can't really see.  
 17 It's over here. They are septic systems in the former  
 18 location of the 500 buildings, which are down in here  
 19 [indicating] that were used. We have those all as  
 20 impacted areas.  
 21 We have discovered radiological contamination  
 22 in the sewer and storm drain lines on Cochrane Street  
 23 and between 364 and 365.  
 24 We're going to be doing investigations around  
 25 253; and at some point, we will do investigations of all

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1 the systems, the outfalls for the systems.

2 That's why we did Building 819. That is the  
3 sewer pump house for the sanitary lines leaving the  
4 base. We wanted to make sure there was no residual  
5 contamination in there.

6 So we are addressing everything with every  
7 site; and, you know, we -- the new final HRA that's  
8 coming out shows every outfall. It shows the storm and  
9 sewer drain lines for every parcel. Instead of one map  
10 showing the entire site, we broke it out parcel by  
11 parcel and blew it up so you could see it better. Yes,  
12 we do plan to do surveys and address all of that.

13 MR. SURBER: Thank you.

14 Mr. Campbell has a question.

15 MR. CAMPBELL: Hi, Laurie.

16 MS. LOWMAN: Hi.

17 MR. CAMPBELL: San Bruno, the records indicate  
18 that there was a number of records destroyed having to  
19 do with NRDL. Hundreds, if not thousands, of computer  
20 records. The Senate Subcommittee on Human Radiation  
21 Experiments also pointed out a number of NRDL records  
22 were destroyed.

23 We know primarily the old wooden laboratories  
24 did not leave the base. So that meant they either went  
25 into Parcel B landfill or Parcel E. Given that

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1 information -- and we also heard of medical waste,  
2 radiological waste, from the various universities being  
3 dumped at Hunters Point, more than likely in Parcel E  
4 landfill.

5 Parcel E landfill is subject to  
6 liquefaction -- liquefaction. Excuse me. And there's  
7 a November 17th, 2000, report that identifies most of  
8 the low areas of the Shipyard has liquefaction zones.  
9 Based on the experience that we had in San Francisco,  
10 there was an ignition in the Marina District, as much of  
11 the Marina burned.

12 Now, we know that we have some of the  
13 chemicals -- I shouldn't say chemicals, but gases in the  
14 landfill that could potentially cause ignition and  
15 because we have had ignition before.

16 The landfill we know, according to the report  
17 that I have seen, got up to a 5-foot lateral movement.  
18 What happens? How do we address that as far as a  
19 community? And what are the knowns and unknowns?

20 We have got Daniel Meer from the EPA who said  
21 that "landfill may be too dangerous to be removed,"  
22 quote, unquote. So, Laurie?

23 MS. LOWMAN: We are talking about the  
24 radiological aspects of the landfill or what could be in  
25 the landfill?

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1 MR. CAMPBELL: The radiological aspects given  
2 high methane factors with volatile organic compounds.  
3 And if you have an ignition or if you have a landfill  
4 acting like a viscous liquid with unknowns,  
5 radiological, you know, I'm sure that we can find some  
6 dumping records somehow. I don't know if you looked at  
7 the universities for the dumping records.

8 MS. LOWMAN: I have some records on what was  
9 brought to NRDL for disposal. The records that I  
10 have -- unfortunately, when NR- -- Maybe I should go  
11 back.

12 When NRDL closed, it was only given a six-month  
13 window to close. They received notification at the end  
14 of April, and they were totally gone by December 1st  
15 except for a small team of people. And my understanding  
16 from interviews, from looking at various documents, that  
17 they just took everything and burned it, shredded it,  
18 just got rid of it. So we have gone through and tried  
19 to find everything we can.

20 The documents that I have -- they describe the  
21 radioactive waste disposal in fair amount of detail, and  
22 it was the ocean dumping disposal that they did --  
23 actually came from a former employee of NRDL who pulled  
24 them out of the trash bin as he was going out the gate,  
25 and he gave me copies of these five reports.

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1 I have tried and tried to find more of these  
2 health physics annual reports that give blow by blow who  
3 put waste onto the base and where it went. And I have  
4 only found these five, and that's because this gentleman  
5 gave me copies of them.

6 We know that they brought waste from Lawrence  
7 Livermore. They brought waste from Berkeley. They  
8 brought waste from McClellan Air Force Base. They  
9 brought waste from commercial companies in.

10 They packaged it at the 707 triangle. They  
11 took it down to the gun mole pier. They loaded it on  
12 barges and took it out and disposed of it at sea.

13 They had an actual AEC --

14 MR. SURBER: Make the answers brief as well.

15 MS. LOWMAN: Okay. I'm trying to answer the  
16 que- -- thank you.

17 So as far as where the buildings went when they  
18 were demolished, I have not found those records. It is  
19 reasonable to assume that there is building debris in  
20 the landfills, and it may be these buildings, but I  
21 don't know for sure.

22 If there were to be another fire, it would be  
23 the same recommendation I always have, and that would be  
24 that you would do radiological and air monitoring if  
25 another fire occurs.

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1 As far as a liquefaction -- did I say that  
2 right? -- I don't know exactly what I would recommend.  
3 I would have to probably look at the situation at the  
4 time and look at what we're doing for all the  
5 liquefaction problem at that time and address those  
6 radiological conditions then. I'm sure there would be  
7 monitoring involved and various actions. I'm just not  
8 sure what that would be.

9 MR. SURBER: It's ten minutes to 8:00 and we  
10 have a fair bit of agenda left. Do people want to  
11 continue this discussion and put over the other agenda,  
12 or do you -- we want to stop here for other questions  
13 and comments?

14 MS. PIERCE: We have to vote on the bylaws.

15 MR. SURBER: Well, we may not get to the bylaws  
16 if we continue this discussion this evening. So I need  
17 a sense of the group.

18 MR. TOMPKINS: Possibility to extend the  
19 meeting so we can cover business tonight.

20 MR. SURBER: Is there a motion to extend the  
21 time of the meeting?

22 MR. TOMPKINS: I'll put it on the floor.

23 MR. SURBER: Is there a second?

24 MS. RINES: Second.

25 MR. SURBER: To what time?

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1 MS. RINES: 8:15.  
2 MR. SURBER: 8:15?  
3 All in favor?  
4 THE BOARD: Aye.  
5 MR. SURBER: Opposed?  
6 (Ms. Bushnell raises her hand.)  
7 MR. SURBER: Abstentions? Okay. Thank you.  
8 The motion carries. So people do want to continue the  
9 question and answer of this topic, so we still may get  
10 beyond 8:15. We'll see how the agenda -- I understand  
11 that there'll be some discussion of the bylaws.

12 Yes, sir.

13 MR. MANUEL: She was first and then I go after  
14 her.

15 MR. SURBER: Shall we continue for five more  
16 minutes with this and then move on?

17 MS. RINES: Yes.

18 MR. SURBER: Okay. If we could keep questions  
19 and answers short, that would help.

20 MS. OLIVA: Laurie, could you tell me your  
21 reasoning why you're not conducting any surveys on the  
22 storm drains and the sewers in Parcel A?

23 MS. LOWMAN: The upland portion of Parcel A,  
24 which would be this area up here [indicating], I can  
25 find no radiological history on. I absolutely cannot

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1 find anything.

2 There were two areas of sandblast grit that  
3 were totally removed. There is no reason to think those  
4 would have impacted the storm drains or the sewer lines.

5 MS. OLIVA: What about where Building 101 is?

6 MS. LOWMAN: That's not Parcel A. That's down  
7 here.

8 MS. OLIVA: Building 101 --

9 MR. SURBER: The question is whether we are in  
10 Parcel A or not.

11 MS. LOWMAN: Is 101 in Parcel A?

12 MS. OLIVA: Yes, yes.

13 MS. VETROMILE: Yeah.

14 MS. LOWMAN: This is 101.

15 MS. OLIVA: Right. This is where you are.

16 MS. VETROMILE: Yeah.

17 MS. LOWMAN: Okay, it is in Parcel A.

18 MS. VETROMILE: It's not upland.

19 MS. LOWMAN: It's not upland?

20 MS. VETROMILE: No.

21 MS. LOWMAN: Okay.

22 MS. OLIVA: It's close to Dry Dock 4.

23 MR. FORMAN: Dry Dock 4 is impacted, but that  
24 has no --

25 MS. LOWMAN: Dry Dock 4 is impacted.

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1 MR. FORMAN: -- that has no connection to  
2 Building 101.

3 MS. OLIVA: So would there be any reasoning why  
4 you would consider surveying the storm drains and the  
5 sewers in Parcel A?

6 MS. LOWMAN: I have no radiological history for  
7 101 either. We pretty much have studied as much as we  
8 can on Parcel A and not found any additional  
9 radiological sites.

10 MS. OLIVA: Not in the storm --

11 MS. LOWMAN: The streets that come down, Spear  
12 Avenue, Crisp Avenue, those are all in -- not in  
13 Parcel A. They are in the other. Now, we would  
14 investigate those lines.

15 MS. OLIVA: I would truly appreciate if you  
16 consider investigating the lines -- the sewer lines  
17 close to Building 101.

18 MS. LOWMAN: Close to Building 101. You would  
19 like to make that an action item?

20 MS. OLIVA: I would like to make that an action  
21 item.

22 MR. SURBER: So there -- Would you state  
23 your --

24 Are you wishing to make a motion or an action  
25 item? I'm not quite sure.

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1 MS. RINES: Just make it an action item.  
 2 MS. OLIVA: I would like to make it an action  
 3 item that you consider surveying the storm drains --  
 4 MR. SURBER: Consider or surveying?  
 5 MS. OLIVA: Survey the storm drains and the  
 6 sewers in the vicinity of Building 101.  
 7 MR. SURBER: And who would be responsible for  
 8 that?  
 9 MR. TOMPKINS: That's the Navy.  
 10 MS. LOWMAN: That would be me.  
 11 MR. SURBER: Is that responsibility you're  
 12 accepting as an action item for this group?  
 13 MS. LOWMAN: Yeah.  
 14 MR. SURBER: So done.  
 15 MS. OLIVA: Thank you.  
 16 MS. LOWMAN: Okay.  
 17 MR. SURBER: Thank you.  
 18 Question behind.  
 19 MR. MANUEL: Yes. There's a couple of  
 20 statements I'd like to make and then a question for  
 21 Laurie.  
 22 MR. SURBER: Can you make them brief?  
 23 MR. MANUEL: Very brief.  
 24 First off, I'd like to state that being a great  
 25 deal of San Francisco is landfill, you have methane

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1 pretty much everywhere and people -- and either going to  
 2 decompose and presents methane gas.  
 3 Next thing is that national studies that -- all  
 4 over this country that basically show that -- and  
 5 particularly minority areas but in many other areas as  
 6 well -- when you have above-ground power lines, they  
 7 have high incidences of cancer because of EMFs and other  
 8 things that are all in the air.  
 9 My question to Laurie is -- is that is there  
 10 some type of information that you have --? I'm sure you  
 11 have Rosy the Riveter over here, and you have other  
 12 women and men that were here. Is there any high  
 13 incidences of breast cancer that was on this base that  
 14 would be either different than what's outside the base  
 15 in the normal -- other parts of San Francisco or higher  
 16 than the national average of some sort? Because men can  
 17 get breast cancer just as well as women.  
 18 So do you have any high incidences that --?  
 19 This issue has come up more than once. I just want to  
 20 know if you have anything that shows --  
 21 MR. SURBER: I think you've asked the question.  
 22 Excuse me for being rude, but I --  
 23 MR. MANUEL: That's okay.  
 24 MR. SURBER: -- I am anxious. We need to move  
 25 forward.

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1 MS. LOWMAN: We have not done a health study of  
 2 the history of the workers at Hunters Point. Most of  
 3 the interviewees we spoke with are older folks. There  
 4 were some in their eighties. Some were in very good  
 5 health. Some were in poor health. It wasn't in my  
 6 purview to try to do that, and I have not -- I don't  
 7 have the information on that.  
 8 MR. MANUEL: Can you compile something?  
 9 MS. LOWMAN: It would be real difficult for me  
 10 with the charter of the HRA to do that. That is  
 11 something that you might want to address with Southwest  
 12 Div.  
 13 MR. MANUEL: Okay. He wants to move on.  
 14 MR. SURBER: Can we thank Miss Lowman and move  
 15 on?  
 16 MS. ATTENDEE: Yes, we can.  
 17 (Applause.)  
 18 MR. SURBER: And thank you.  
 19 Moving on to the agenda, I understand there are  
 20 four subcommittees, but I also understand the Bylaws  
 21 Committee wants a vote on the bylaws. So why don't we  
 22 move to the Bylaws Committee? Who's the spokesperson  
 23 for . . . ?  
 24 MS. HUNTER: Melita.  
 25 MS. RINES: Okay. Hopefully, everybody got the

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1 bylaws; everybody read them.  
 2 MR. SURBER: Everywhere, I'm sure.  
 3 MS. RINES: We need to vote on this today.  
 4 This is it. This is the only time we can change it.  
 5 And just so you know, if it is adopted, come  
 6 September's RAB meeting, everyone's absence, prior  
 7 absences, will be wiped clean.  
 8 So as of September 2004, no one has an absence  
 9 unless you don't show up to that meeting. Okay?  
 10 MR. SURBER: Would you care to make a motion?  
 11 MS. RINES: I just want to make sure that part  
 12 of it you get that. Okay.  
 13 Yes.  
 14 MS. WRIGHT: I still need you to explain. I  
 15 still don't understand.  
 16 MS. RINES: What -- Changing what?  
 17 MR. SURBER: What's the question?  
 18 MS. RINES: Okay. The attendance policy is:  
 19 You can't have three missed absences in a 12-month  
 20 period. A 12-month period starts from the month of the  
 21 current RAB, 12 -- 11 months back.  
 22 MS. WRIGHT: I thought it was four.  
 23 MS. RINES: I'm sorry. I'm sorry. I'm sorry.  
 24 I'm sorry. Four. Sorry.  
 25 MS. WRIGHT: Four, okay.

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1 MS. RINES: Four absences, okay.  
 2 MS. WRIGHT: So the 12-month period starts  
 3 when?  
 4 MS. RINES: The month of the current RAB  
 5 backwards.  
 6 MS. WRIGHT: Month of the -- That's what I  
 7 don't understand.  
 8 MR. SURBER: But it doesn't start counting --  
 9 it doesn't start counting till September '04, so  
 10 everybody --  
 11 MS. RINES: Correct. So September '04 there  
 12 are no absences.  
 13 MS. WRIGHT: Right.  
 14 MS. RINES: And it goes to -- from September  
 15 '03 to September '04.  
 16 MR. SURBER: So if somebody misses four  
 17 absences after this coming September --  
 18 MS. RINES: The only way we can count 12 -- we  
 19 can't count 12 ahead into the future -- we have to count  
 20 12 behind us.  
 21 MR. MANUEL: Just kind of a fiscal year kind of  
 22 a thing.  
 23 MR. SURBER: Right.  
 24 MS. WRIGHT: But if you're counting  
 25 backwards --

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1 MR. MANUEL: Forward to September.  
 2 MS. WRIGHT: She said backwards, '03 to '04  
 3 and --  
 4 MS. RINES: From '04 to '03. This month is  
 5 August.  
 6 MS. WRIGHT: Yeah.  
 7 MS. RINES: From August of '03 till August of  
 8 this, if you had missed four absences, you would have  
 9 been removed. Next month is September. From September  
 10 you had the --  
 11 MS. WRIGHT: '04 to '05.  
 12 MS. RINES: No. We can't do it ahead. From  
 13 '03 to '04.  
 14 MR. SURBER: Yes, but you're forgiving --  
 15 you're forgiving '03 to '04 absences, are you not?  
 16 MS. RINES: Correct.  
 17 MR. SURBER: So you're really not going to  
 18 start counting until September and then have your four  
 19 until the end of the year; is that correct?  
 20 MS. RINES: That's correct, yes.  
 21 MR. SURBER: Okay.  
 22 MR. TOMPKINS: But is there such a thing --?  
 23 MR. SURBER: So it is in the future that you're  
 24 counting absences.  
 25 MS. WRIGHT: No, I don't understand.

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1 MR. MANUEL: Well, I understand what he means.  
 2 MS. WRIGHT: I've never understood it.  
 3 MS. PIERCE: Let me try.  
 4 MS. WRIGHT: Okay.  
 5 MS. PIERCE: So next month -- next month nobody  
 6 has any absences.  
 7 MS. WRIGHT: Right, I understand that.  
 8 MS. PIERCE: If you don't make next month's  
 9 meeting, you have one absence, okay. Then you make the  
 10 next two months meetings. You still have one absence.  
 11 Then you miss two more. You're up to now three. Then  
 12 you don't miss any more until ne- -- the fi- -- the --  
 13 October of '05.  
 14 MS. WRIGHT: That's what --  
 15 MS. HUNTER: Then you have -- you still have  
 16 three because that first one fell off because it's now  
 17 the 13th month. So that first one fell off, but you're  
 18 still carrying those three.  
 19 MS. WRIGHT: Two.  
 20 MR. SURBER: Actually -- actually two,  
 21 according to your example.  
 22 MS. ATTENDEE: Right.  
 23 MR. RAB MEMBER: Yeah.  
 24 MS. PIERCE: As long as she gets two more, and  
 25 then in the 13th month she did another one.

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1 MS. RINES: I think it's actually -- it sounds  
 2 more complicated than it actually is. It's a moving  
 3 target. It's the only way we can do it. The 12-month  
 4 period has to follow the month of the RAB.  
 5 MR. FORMAN: Right. So for any given -- any  
 6 given 12-month span, for any 12 months, you can miss  
 7 three RAB meetings.  
 8 MS. RINES: Correct.  
 9 MR. FORMAN: If you miss a fourth RAB  
 10 meeting --  
 11 MR. SURBER: For four RAB meetings. You miss  
 12 four.  
 13 MR. FORMAN: -- in any --  
 14 MS. RINES: No, no, no.  
 15 MR. SURBER: You get four RABs.  
 16 MS. RINES: Wait, wait, wait, wait, wait now.  
 17 If you have three -- You cannot have four missed RAB  
 18 meetings in 12 consecutive months as it follows the  
 19 month of the RAB.  
 20 MR. FORMAN: So in any given 12-month period,  
 21 you can miss only three RABs. The fourth RAB meeting  
 22 you miss in any given consecutive 12-month period, you  
 23 will get a letter saying that you are disenrolled from  
 24 the RAB.  
 25 MS. RINES: Okay.

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1 MS. WRIGHT: That's not a word.  
 2 MR. MANUEL: Okay. Ke- --  
 3 MS. RINES: Removed.  
 4 MS. WRIGHT: Thank you.  
 5 MR. MANUEL: Does this mean that from September  
 6 till the next September '05 if you miss four meetings,  
 7 you're screwed, right?  
 8 MS. RINES: Correct.  
 9 MR. MANUEL: Isn't that a simpler way to just  
 10 say this?  
 11 MS. ATTENDEE: Yeah.  
 12 MS. WRIGHT: Now I understand.  
 13 MR. MANUEL: And that's what I'm trying to  
 14 figure out is what I'm missing here, but --  
 15 MR. FORMAN: Good job, J. R., yeah.  
 16 MR. MANUEL: Okay. Thanks.  
 17 MS. WRIGHT: September to September.  
 18 MR. MANUEL: Yeah, September --  
 19 MS. RINES: Correct.  
 20 MR. MANUEL: Okay. All right. We are on the  
 21 same page, then.  
 22 MS. RINES: All right. Let's keep going.  
 23 MR. SURBER: Excuse me. Could we have one  
 24 conversation, please.  
 25 Gentleman in the back.

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1 MR. SMITH: I have been asked to vote for Keith  
 2 Tisdell. Is that -- is that okay? Is that appropriate?  
 3 MS. ATTENDEE: Yes.  
 4 MS. RINES: Yes.  
 5 MR. RAB MEMBER: Yes.  
 6 MS. RINES: Okay. Any other --? Yes.  
 7 MS. RAB MEMBER: September '05 is another  
 8 renewal process?  
 9 MS. PIERCE: No.  
 10 MS. RAB MEMBER: Everything that --  
 11 MS. PIERCE: No.  
 12 MS. RINES: No. This is the only time we are  
 13 doing this.  
 14 MS. RAB MEMBER: Next year, okay. I attend the  
 15 meeting October, say I miss a meeting. Would that be  
 16 one somebody sent in that -- in the following year?  
 17 MR. MANUEL: Hold on. She could take her aside  
 18 and explain.  
 19 MS. RAB MEMBER: No. I'm talking '05.  
 20 MS. RINES: Okay. If you're talking in '05, if  
 21 you miss October of '04 and then --  
 22 RAB MEMBER: -- come back again, it's that --  
 23 MS. RINES: Yes, it's a 12- -- it's 12 months  
 24 that are --  
 25 MS. RAB MEMBER: Okay.

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1 MS. RINES: -- from when you get your first  
 2 absence depending on month that the RAB is meeting.  
 3 RAB MEMBER: Right.  
 4 MS. RINES: I don't know how else to explain  
 5 it.  
 6 MR. MANUEL: After September you're clean until  
 7 next September.  
 8 MS. RAB MEMBER: Okay.  
 9 MR. MANUEL: How's that?  
 10 MS. RAB MEMBER: That's good.  
 11 MR. MANUEL: All right.  
 12 MR. SURBER: Is there a motion on the floor?  
 13 MS. RINES: The motion that we pass the bylaws  
 14 as they are written, handed out, and given to you.  
 15 MR. SURBER: Is there a second to that?  
 16 MS. PIERCE: I second it.  
 17 MR. SURBER: All those in favor?  
 18 THE BOARD: Aye.  
 19 MR. SURBER: All opposed? I see five in  
 20 opposition and heard a lot in favor. I don't know if  
 21 you count.  
 22 Abstentions?  
 23 MR. TOMPKINS: Take a hand vote.  
 24 MR. SURBER: A hand vote. May I have the hands  
 25 of those who approve, say "Aye."

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1 MS. OLIVA: Aye.  
 2 MR. SURBER: I count eight. I count eight.  
 3 All those opposed?  
 4 I count four, four. Motion carries. Thank  
 5 you. Congratulations to the Bylaws Subcommittee.  
 6 MS. RINES: Thank you. Next meeting,  
 7 September --  
 8 MS. HUNTER: 15th.  
 9 MS. RINES: -- 15th at the library.  
 10 MR. SURBER: Okay. Good.  
 11 I see that we have scheduled an Economic  
 12 Subcommittee meeting for August 10th. Did that occur?  
 13 Is there a report?  
 14 MR. CAMPBELL: Yes, there was a Economic  
 15 Subcommittee meeting. As a matter of fact --  
 16 MR. SURBER: Use the microphone, please.  
 17 MR. CAMPBELL: The minutes were sent out by  
 18 E-mail. They were supposed to be here tonight and  
 19 somewhat printed.  
 20 It's a fairly complex report. The numbers do  
 21 look better at this particular point. But what I'd like  
 22 to do is hold off on -- Mr. Brown was going to present  
 23 it this evening. I think what we will do is take it  
 24 over to the next meeting.  
 25 MS. WRIGHT: Vote on that?

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1 MR. CAMPBELL: Pardon me?  
2 MS. WRIGHT: Vote on that?  
3 MR. CAMPBELL: Yeah, thank you.  
4 MR. SURBER: Okay. Good. Thank you.  
5 MS. HUNTER: Next meeting is --  
6 MR. SURBER: Next meeting is --  
7 MR. CAMPBELL: -- first Tuesday --  
8 MR. SURBER: Please, microphone.  
9 MR. FORMAN: You may want to -- because it's a  
10 holiday. First Tuesday or second Tuesday?  
11 MR. CAMPBELL: First Tuesday.  
12 MR. FORMAN: Okay. September 7th.  
13 MR. CAMPBELL: September 7th, right.  
14 MR. FORMAN: Yeah.  
15 MR. CAMPBELL: Okay.  
16 MR. FORMAN: September --  
17 MR. CAMPBELL: 2:30. It will be probably be at  
18 the Anna Waden Library.  
19 MR. SURBER: The Technical Review Subcommittee  
20 was supposed to have met on the 18th. Did that occur?  
21 Is there a report?  
22 MS. LOIZOS: We did meet on the 18th, and the  
23 topic of discussion was more on the manganese issue and  
24 particularly in Parcel B because the Navy is getting  
25 ready to put out their technical memorandum and support

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1 of a ROD amendment for Parcel B, which will be coming  
2 out hopefully at the beginning of next year.  
3 So without getting into much detail, we kind of  
4 looked over the materials that we had available to us  
5 and the data to figure out what we need to come up with  
6 an informed opinion on this issue.  
7 And for the time being, we have a list of  
8 requests that were for the Navy and the BCT. So I'm  
9 going to forward it at this time.  
10 We're asking for a copy of the BCT's comments  
11 on construction summary report that was released in  
12 2002.  
13 We would -- We were asking that the Navy  
14 provide us with a current figure that shows all of the  
15 sampling points and the manganese concentrations at  
16 these points, including the depth of the samples. This  
17 figure may already exist; and if so, just please let us  
18 know where it is because we couldn't find it. It's all  
19 split up in many different documents as far as I could  
20 tell.  
21 And we're also requesting that the Navy attend  
22 an upcoming Technical Review Subcommittee meeting to  
23 discuss metals at Hunters Point Shipyard, specifically  
24 Parcel B. And in the -- my su- -- in the minutes,  
25 you'll see that there is some specific information that

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1 we'd like the Navy to have at that meeting.  
2 And lastly, we would like to know where we  
3 could find complete characterization data post and  
4 remedial actions on Parcel B for the entire parcel. And  
5 I know it's a long shot, but we're wondering if the Navy  
6 could provide us with the electronic database for Parcel  
7 B prior to the release of the tech memo.  
8 So I'm forwarding those from the subcommittee  
9 to the Navy.  
10 MR. SURBER: Okay. Thank you.  
11 MS. HUNTER: Next meeting?  
12 MS. LOIZOS: Oh. Next --  
13 MR. WORK: Excuse me.  
14 MS. LOIZOS: September 14th at 6 p.m. at  
15 Community Window on the Shipyard.  
16 Oh, and I'm sorry. I don't want to drag this  
17 out. Last thing: The ZVI field trip, if you could just  
18 please make sure that you signed up if you want to come.  
19 Even if you can only come on a weekend, please sign up  
20 and just check the "weekend" box just so I have your  
21 name and a way to get in contact you. Once I talk to  
22 the Navy, I will get in touch with everyone.  
23 MR. SURBER: Okay. Thank you.  
24 The Lowman Radiological Risk Review  
25 Subcommittee was to have met on August 25th. Is there a

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1 report?  
2 DR. SUMCHAI: The subcommittee met on --  
3 MR. SURBER: Microphone, please. Thank you.  
4 DR. SUMCHAI: The subcommittee met yesterday  
5 afternoon. There were 12 attendees. I want to  
6 appreciate everyone who attended.  
7 Let me preface the presentation by saying that  
8 the next meeting will be on September the 22nd from 3 to  
9 5 p.m. at the Greenhouse. And I would suggest that any  
10 outstanding issues or questions that arose from, you  
11 know, the RASO presentation, that they be addressed at  
12 that meeting, and it might be possible for us to request  
13 that RASO come out for the next subcommittee meetings  
14 to, you know, deal with any outstanding issues.  
15 The meeting was -- it was long and it was -- it  
16 was in-depth, and it focused principally on some of the  
17 pertinent responses to comments on the Hunters Point  
18 Shipyard HRA. And what I will do to help make my  
19 presentation brief is to send you an electronic mail  
20 message in which I, you know, condense and abbreviate,  
21 you know, much of this discussion with regard to the  
22 responses.  
23 There was one request that I did want to make  
24 of you. On August the 7th, 2002, the Redevelopment  
25 Agency responded to the civil grand jury's 2001-2002

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1 report on the Hunters Point Naval Shipyard in which  
2 there were four findings and recommendations made by the  
3 civil grand jury. Honorable Ronald E. Quidachay was  
4 presiding judge.

5 And Finding 3 and Recommendation 3 concerned  
6 the nature and extent of health hazards at Hunters Point  
7 Shipyard. It identifies that there is no agreement  
8 among EPA, the federal and state agencies, community  
9 organizations and the media with regard to these health  
10 hazards, and it encourages direct communication among  
11 all governmental agencies and encourages strengthening  
12 of this communication.

13 And it also identifies that there's a lack of  
14 complete data and incomplete documentation of the extent  
15 of toxins known as site characterization, that this  
16 exasperates the level of community mistrust, and it  
17 references the Historical Radiological Assessment.

18 The recommendation is that EPA should review  
19 what testing and monitoring of the Shipyard site has  
20 been completed or is underway; and using federal and  
21 state expertise and information, the City should work  
22 with the Navy and environmental regulators to review  
23 available test data essentially in an effort to  
24 facilitate site characterization. And it identifies  
25 that there's a need for a clear schedule for this effort

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1 and that it should be provided to the public.

2 To my knowledge, the Department of Public  
3 Health has never responded to these findings and  
4 recommendations. And I have, you know, taken the  
5 liberty to contact Dr. Chow who is the president of the  
6 Health Commission. I have encouraged him to --

7 THE REPORTER: Excuse me.

8 DR. SUMCHAI: -- ask the Health Commission --

9 MR. SURBER: Excuse me. We're out of paper.

10 MR. MANUEL: We're also out of time.

11 MR. SURBER: We're getting awfully close,  
12 you're right.

13 I am also reminded that we're getting very  
14 close to our deadline. If you could make your  
15 comments -- final comments brief, it would be helpful.

16 You ready to go? Okay.

17 Please proceed.

18 DR. SUMCHAI: Well, let me just cut to the  
19 chase.

20 I would like to make a motion to the RAB that  
21 you support a request that the Health Department and the  
22 Health Commission formally respond to the findings and  
23 recommendations of the civil grand jury report of 2002  
24 regarding the Hunters Point Shipyard and specifically  
25 the need to address full site characterization of the

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1 Shipyard and the health and safety issues at the  
2 Shipyard.

3 MR. SURBER: Is there second?

4 MR. TOMPKINS: Second.

5 MR. SURBER: All those in favor?

6 Any suggestion?

7 MR. RAB MEMBER: No.

8 MR. SURBER: All those in favor, say "Aye."

9 THE BOARD: Aye.

10 MR. SURBER: All those opposed? Any  
11 abstentions?

12 Motion carries. Thank you.

13 Anything else in your report?

14 DR. SUMCHAI: Yes. There are two other things.

15 With regard to the industrial landfill, one of  
16 the most important responses in the HRA response is that  
17 I felt was a response made by EPA's tech law with regard  
18 to the landfill. It identified that there are areas  
19 with elevated levels of radiation that much of the  
20 landfill has been capped. It's unclear what parts of  
21 the landfill are not capped and the relationship between  
22 uncapped areas and hot spots in the landfill.

23 And RASO responded to this concern by saying  
24 that an extensive characterization survey of the  
25 industrial landfill was conducted during the Phase V

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1 investigation. The Navy has not yet reviewed the final  
2 report of the surveys, and the results of the surveys  
3 and the location of the elevated radiation levels will  
4 not be released until the Navy has reviewed and approved  
5 the characterization survey report.

6 There are numerous documents with regard to the  
7 conveyance of Parcel A that identified that the landfill  
8 is a significant adjacency issue; and I feel very, very  
9 strongly that if the Navy has information about the  
10 characterization of this landfill, that this information  
11 needs to be vetted prior to any type of conveyance  
12 and --

13 MR. SURBER: Is there a question or a motion  
14 you're making?

15 DR. SUMCHAI: Yes. I am -- I would like to  
16 move that RASO prioritize the review of the Phase V  
17 investigation such that the characterization of the  
18 landfill be its number-one priority and that we have  
19 this information and that it's available to us prior to  
20 getting type of conveyance of property.

21 MR. SURBER: Is there a second to the motion?

22 MR. TOMPKINS: Second.

23 MR. SURBER: All those in favor, say "Aye."

24 THE BOARD: Aye.

25 MR. SURBER: Opposed?

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1 Motion's unanimous.  
 2 DR. SUMCHAI: Okay. I appreciate it.  
 3 And just succinctly, EPA also astutely  
 4 identifies that there was an interview with William Grab  
 5 that indicated it was impossible to catch a general --  
 6 containerize all of the Operations Crossroads sandblast  
 7 grit and that some of it went into the water at the end  
 8 of the dry docks.  
 9 And this comment identifies that all of the dry  
 10 docks are at risk and that the tunnels beneath Dry  
 11 Dock 4 were found to be full of sediment.  
 12 The RASO presentation that Laurie just gave us  
 13 identified that, you know, couple of the dry docks -- I  
 14 think it was 6 and 7 -- they were going to be looking  
 15 at. But from, you know, the information that's present,  
 16 it looks as if all the dry docks in Parcel F need to be  
 17 included as part of our radiological characterization.  
 18 So I don't think that there needs to be a  
 19 motion made on that. That's a topic that I would like  
 20 to take up at the next Radiological Subcommittee meeting  
 21 looking at Parcel F.  
 22 MR. SURBER: Good. Thank you. And that will  
 23 be -- That next meeting will be --  
 24 DR. SUMCHAI: -- September the 22nd from 3 to  
 25 5 p.m.

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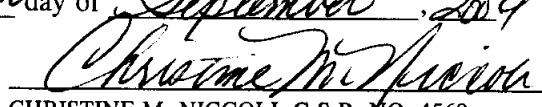
1 MR. SURBER: Oh, okay. Thank you very much.  
 2 Any brief public comment?  
 3 MR. MANUEL: You're doing a great job.  
 4 MR. SURBER: Thank you.  
 5 Any -- Do we move to adjourn?  
 6 (Simultaneous colloquy.)  
 7 MR. MANUEL: Second.  
 8 MR. SURBER: What --? Somebody moved and  
 9 somebody seconded. Any opposite --? All those in  
 10 favor?  
 11 THE BOARD: Aye.  
 12 MR. SURBER: Thank you for your attendance and  
 13 participation.  
 14 (Off record at 8:10 p.m., 8/06/04.)  
 15 ---oOo---

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## CERTIFICATE OF REPORTER

I, CHRISTINE M. NICCOLI, Certified Shorthand  
 Reporter of the State of California, do hereby certify  
 that the foregoing meeting was reported by me  
 stenographically to the best of my ability at the time  
 and place aforementioned.

IN WITNESS WHEREOF, I have hereunto set my hand  
 this 16<sup>th</sup> day of September, 2004

  
 CHRISTINE M. NICCOLI, C.S.R. NO. 4569

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